

GENERAL  
CATALOGUE



**ADESITAL**

# GENERAL CATALOGUE





# OUR MISSION



To contribute to the development of systems for the building sector ensuring

Living **COMFORT**

High **PERFORMANCE**

**EASY USE**

**RESPECT** for the environment and the working conditions.





# INNOVATIVE AND PERFORMING SYSTEMS

## ADESITAL GUARANTEES:

The **DEVELOPMENT OF ECO-SUSTAINABLE, INNOVATIVE AND PERFORMING SOLUTIONS**, for the maximum benefit of the installer and of the final user.

The **KEEPING UP TO THE BEST TECHNOLOGICAL STANDARDS** available for production processes, so as to guarantee **A RANGE OF TOP QUALITY PRODUCTS**.

The **CONTINUOUS IMPROVEMENT** of integrated company management systems for safety, health and environment quality, in compliance with voluntary reference norms - ISO 9001, ISO 14001, ISO 45001.





# CUSTOMER CARE

Adesital is strongly orientated to **SATISFYING ITS CUSTOMERS** and deploys all available resources to guarantee **A RELIABLE SERVICE** for:

**ORDER MANAGEMENT**

**DELIVERIES**

**TECHNICAL SERVICE**

**POST-SALE ASSISTANCE**

The strategic location of Adesital in the heart of the Sassuolo-Fiorano ceramic district guarantees a **FAST AND EFFECTIVE DELIVERY SYSTEM** reducing related times and costs. Our sales network is formed by highly qualified staff and ensures a widespread coverage and a **RELIABLE TECHNICAL SERVICE LEVEL TO MEET CUSTOMERS' REQUIREMENTS.**





# SUSTAINABILITY

ADESITAL participates in the program **Responsible Care** promoted by Federchimica (Italian Federation of the chemical industry) for the Sustainable development of the Chemical Industry, according to values and behaviours targeted at **Safety, Health** and **Environment protection**

The program promotes:

**ENVIRONMENT PROTECTION**

**SUSTAINABLE DEVELOPMENT**

**ENVIRONMENTAL COMPATIBILITY OF THE PRODUCTS**

Indeed, Adesital products perfectly comply with the European Norms both for safeguarding the environment and the operators' health.

For years, we have been selecting raw materials for the preparation of products paying the utmost attention to the content of VOC (Volatile Organic Compounds), which can emit vapours that are harmful to the health of people living in an enclosed environment.

Living in a clean environment, free of harmful emission, is something we all strongly wish.

**ADEESITA**



# MIX OF EXPERTISE AND INNOVATION

HERE WE ARE,  
in the heart of the ceramic district, FOR OVER 50 YEARS,  
with solution, ideas and products CONSTANTLY EVOLVING.

Today we are able to offer a wide range of pre-mixed products  
for the building sector, from systems for the installation of  
ceramics to systems for the restoration of walls, concrete,  
floorings and façades.

Together we work on the development of solutions that combine  
quality of performance with respect for the environment and  
ease of use.

IN 2000 WE JOINED THE MAPEI GROUP.



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# INSTALLATION OF CERAMIC TILES AND NATURAL STONES

01

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# ADEFLEX GREEN LIGHT



Single-component, very highly performing lightened cementitious adhesive, with technology combining high performance and easy spreadability with reduced dust formation while preparing the mix. Very low VOC emissions (EC1 plus).



## COVERAGE

0.85 kg/m<sup>2</sup> every mm of thickness

1.5 – 2.5 kg/m<sup>2</sup>

## CODE

7405615

7405515

## COLOUR

White

Grey

## PACKAGE

15 kg bag

15 kg bag

## PRODUCT FEATURES

- › New generation single-component highly performing adhesive.
- › Extremely light: the special aggregates allow for a much lighter product with greater coverage capacity compared to traditional Adesital adhesives.
- › Lighter to transport (15 kg bags), lighter in the application, reduced transport cost: 900 kg instead of 1500 kg pallet, for the same volume
- › Reduced dust formation during the mix preparation
- › Smoothness and creamy consistency, easy and light to spread, with reduced fatigue
- › Excellent distribution and wetting of the back of the tiles, no gaps, no seepage
- › For indoor and outdoor use
- › Single-component
- › Classification according to EN 12004, class C2TE.
- › Very low VOC emissions (class EC1 plus).

## USE

- › Indoor and outdoor installation of every type of ceramic material (thin porcelain stoneware without reinforcing mesh, double firing, single firing, klinker).
- › Indoor and outdoor installation of stone materials, if dimensionally solid and non-absorbing
- › Installation of ceramic tiles on heating floors and cementitious renders
- › Bonding of insulating and/or sound-absorbing materials such as foam polyurethane and polystyrene, rock or glass wool
- › Installation on prefabricated concrete walls and on cured concrete substrates
- › Installation of ceramic tiles on ceramic, stone material and terrazzo tiles suitably prepared
- › Installation on cementitious and anhydrite screeds, after suitable preparation and application of PRIMER GS
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white and grey
Powder volume mass	0.74 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	7.5 - 7.7 l of water every 15 kg bag
Pot life	8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Mix pH	> 12
Open time	30 minutes
Adjustment time	45 minutes

Ready for traffic

after 24 - 36 hours

Wall grouting

after 4 - 8 hours

Floor grouting

after 24 - 36 hours

Final hardening

14 days

## FINAL PERFORMANCE

Initial adhesion	1.4 N/mm <sup>2</sup>
Adhesion after heating	1.3 N/mm <sup>2</sup>
Adhesion after immersion in water	1.1 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	1.4 N/mm <sup>2</sup>

# ADEFLEX GREEN LIGHT S1

NEW

Single-component, lightened cementitious adhesive, deformable **S1**, with very high coverage and technology combining very high performance and easy spreadability with reduced dust formation while preparing the mix. Very low VOC emissions (EC1 plus).



## COVERAGE

0.8 kg/m<sup>2</sup> every mm of thickness

2 - 5 kg/m<sup>2</sup>

## CODE

7405415

7405315

## COLOUR

White

Grey

## PACKAGE

15 kg bag

15 kg bag

## PRODUCT FEATURES

- > New generation single-component highly performing adhesive.
- > Extremely light: the special aggregates allow for a much lighter product with greater coverage capacity compared to traditional Adesital adhesives
- > Lighter to transport (15 kg bags)
- > Highly deformable, being classified S1 according to the European Norm EN 12002, excellent capacity of meeting the substrate and tile movements.
- > Reduced dust formation during the mix preparation.
- > High smoothness and creamy consistency, easy and light to spread, with reduced fatigue.
- > Excellent distribution and coverage of the tile back sides.
- > For indoor and outdoor use.
- > Single-component.
- > Classification according to EN 12004, class C2TE – S1.
- > Very low VOC emissions (class EC1 plus).
- > Very low VOC emissions (class EC1 plus).

## USE

- > Interior and exterior installation of any ceramic material.
- > Installation of thin slabs in porcelain stoneware.
- > Indoor and outdoor installation of stone materials, if dimensionally solid and non-absorbing
- > Installation of ceramic tiles on heating floors and cementitious renders
- > Installation of floors with heavy traffic
- > Installation on deformable substrates such as gypsum board, asbestos cement, marine-type plywood, wood composition panels
- > Installation of ceramic and solid stone material on façades, balconies, terraces and sun stone pavements, subject to direct sun rays and sudden temperature changes
- > Installation of ceramic tiles on ceramic material suitably prepared
- > Installation on cementitious and anhydrite screeds, after suitable preparation and application of PRIMER GS
- > Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white and grey
Powder volume mass	0.85 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	7.4 - 7.8 of water every 15 kg bag
Pot life	8 hours
Application temperature	from +5°C to +35°C
Mix pH	> 12
Open time	30 minutes
Adjustment time	20 minutes
Ready for traffic	after 24 - 36 hours

Wall grouting	after 4 - 8 hours
Floor grouting	after 24 - 36 hours
Final hardening	14 days

## FINAL PERFORMANCE

Initial adhesion	> 1.8 N/mm <sup>2</sup>
Adhesion after heating	> 1.8 N/mm <sup>2</sup>
Adhesion after immersion in water	> 1.0 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	> 1.0 N/mm <sup>2</sup>
Deformability according to EN 12004	> 2.5 mm (S1, deformable)

# ADEFLEX GREEN LIGHT S1 RAPID



Single-component, lightened cementitious adhesive, deformable S1, with rapid setting, very high coverage and technology combining very high performance and easy spreadability with reduced dust formation while preparing the mix. Very low VOC emissions (EC1 plus).



- EN 12004 C2FT-S1**  
IMPROVED DEFORMABLE  
FAST SETTING  
CEMENTITIOUS ADHESIVE  
WITH REDUCED SLIP
- + 50%**  
HIGHLY PERFORMING  
TECHNOLOGY
- LIGHTENED PRODUCT**
- 20%**  
RECYCLED RAW  
MATERIALS
- RAPID**
- GE-EMICODE PLUS**  
EC1  
VERY LOW EMISSION

## COVERAGE

0.8 kg/m<sup>2</sup> every mm of thickness

## CODE

1196815AD

## COLOUR

White

## PACKAGE

15 kg bag

1196915AD

Grey

15 kg bag

## PRODUCT FEATURES

- › New generation single-component lightened adhesive with rapid setting and hydration.
- › Extremely light: the special aggregates allow for a much lighter product with greater coverage capacity compared to traditional Adesital adhesives.
- › Lighter to transport (15 kg bags)
- › It bonds rapidly to the substrate while maintaining a particularly long life of the mix compared to common rapid adhesives. Ready for traffic already 2 - 3 hours after the installation.
- › Highly deformable, being classified S1 according to the European Norm EN 12002, excellent capacity of meeting the substrate and tile movements.
- › Reduced dust formation during the mix preparation.
- › High smoothness and creamy consistency, easy and light to spread, with reduced fatigue.
- › Excellent distribution and coverage of the tile back sides.
- › High smoothness and creamy consistency, easy and light to spread, with reduced fatigue.
- › For indoor and outdoor use.
- › Single-component.
- › Classification according to EN 12004, class C2FT-S1.
- › Very low VOC emissions (class EC1 plus).

## USE

- › Interior and exterior installation of any ceramic material
- › Installation of thin slabs in porcelain stoneware
- › Indoor and outdoor installation of stone materials, if dimensionally solid and non-absorbing, which require the use of rapid adhesives
- › Installation of ceramic tiles on heating floors and cementitious renders
- › Installation of floors with heavy traffic
- › Installation on deformable substrates: gypsum board, asbestos cement, marine-type plywood, wood composition panels
- › Installation of ceramic and solid stone material on balconies, terraces and sun stone pavements, subject to direct sun rays and sudden temperature changes
- › Installation on prefabricated concrete walls and on cured concrete substrates
- › Installation of ceramic tiles on ceramic material (suitably prepared) where premises must be re-opened quickly
- › Installation on cementitious and anhydrite screeds, after suitable preparation and application of PRIMER GS
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white and grey
Powder volume mass	0.90 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	5.8 - 6.1 l of water every 15 kg bag
Pot life	50 minutes
Application temperature	from +5°C to +35°C
Mix pH	> 12
Open time	20 minutes
Adjustment time	15 minutes
Ready for traffic	after 4 - 8 hours

Wall grouting	after 2 - 3 hours
Floor grouting	after 4 - 8 hours
Final hardening	24 hours

## FINAL PERFORMANCE

Initial adhesion	> 1.8 N/mm <sup>2</sup>
Adhesion after heating	> 1.6 N/mm <sup>2</sup>
Adhesion after immersion in water	> 1.0 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	> 1.1 N/mm <sup>2</sup>
Adhesion after 6 hours	> 0.7 N/mm <sup>2</sup>
Deformability according to EN 12004	> 2.5 mm (S1, deformable)

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## APPLICATION CYCLE

### WALL INSTALLATION OF THIN PORCELAIN STONEWARE.

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#### USED ADESITAL PRODUCTS:

- › ADEFLEX GREEN LIGHT S1
- › ADEFLEX GREEN LIGHT S2
- › ADEFLEX GREEN LIGHT S1 RAPID
- › FUGAMAGICA MATERIA
- › FUGAMAGICA MATERIA TECH
- › ADEPOXY MATERIA
- › ADEPOXY MATERIA TECH

#### PRELIMINARY STEPS:

Before installing the material, check the quality, the consistency and the mechanical properties of the render as indicated in the norm UNI 11493. After this step, choose a suitable notched trowel for applying the product.



**01**

Prepare the substrate properly and level the adhesive type **ADEFLEX GREEN LIGHT S1**, **ADEFLEX GREEN LIGHT S2** or **ADEFLEX GREEN LIGHT S1 RAPID** to zero. Then, apply the adhesive with the toothed part of the squeegee.

**02**

Apply an even layer of adhesive taking care that no anti-adhesive film is formed on the product.



**03**

Apply the ceramic tiles on the spread adhesive. Press the ceramic tile carefully, so that its back side is completely wetted.

**04**

When the adhesive has cured, grout the joints with **ADEPOXY MATERIA** or **FUGAMAGICA**.

# ADEFLEX GREEN LIGHT S2



Single-component, lightened cementitious adhesive, highly deformable S2, with very high coverage and technology combining very high performance and easy spreadability with reduced dust formation while preparing the mix. Very low VOC emissions (EC1 plus)



## COVERAGE

0.8 kg/m<sup>2</sup> every mm of thickness

## CODE

7405215

## COLOUR

White

## PACKAGE

15 kg bag

7405115

Grey

15 kg bag

## PRODUCT FEATURES

- › Extremely light: the special aggregates allow for a much lighter product with greater coverage capacity compared to traditional Adesital adhesives.
- › Lighter to transport (15 kg bags) and lighter to apply
- › Top deformable, being classified S2 according to the European Norm EN 12002, excellent capacity of meeting the substrate and tile movements
- › Reduced dust formation during the mix preparation.
- › High smoothness and creamy consistency, easy and light to spread, with reduced fatigue.
- › Excellent distribution and wetting of the tile back sides
- › For indoor and outdoor use
- › Single-component
- › Classification according to EN 12004, class C2TE – S2.
- › Very low VOC emissions (class EC1 plus).

## USE

- › Interior and exterior installation of any ceramic material.
- › Installation of thin slabs in porcelain stoneware.
- › Indoor and outdoor installation of stone materials, if dimensionally solid and non-absorbing
- › Installation of ceramic tiles on heating floors and cementitious renders
- › Installation of floors with heavy traffic
- › Installation on deformable substrates such as gypsum board, asbestos cement, marine-type plywood, wood composition panels
- › Installation of ceramic and solid stone material on façades, balconies, terraces and sun stone pavements, subject to direct sun rays and sudden temperature changes
- › Installation on prefabricated concrete walls and on cured concrete substrates
- › Installation of ceramic tiles on ceramic, stone material and terrazzo tiles suitably prepared
- › Installation on cementitious and anhydrite screeds, after suitable preparation and application of PRIMER GS
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white and grey
Powder volume mass	0.85 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	6.5 - 6.8 l of water every 15 kg bag
Pot life	8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Mix pH	> 12
Open time	30 minutes
Adjustment time	20 minutes
Ready for traffic	after 24 - 36 hours

Wall grouting	after 4 - 8 hours
Floor grouting	after 24 - 36 hours
Final hardening	14 days

## FINAL PERFORMANCE

Initial adhesion	> 2.0 N/mm <sup>2</sup>
Adhesion after heating	> 2.0 N/mm <sup>2</sup>
Adhesion after immersion in water	> 1.0 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	> 1.0 N/mm <sup>2</sup>
Deformability according to EN 12004	> 5 mm (S2, highly deformable)

# B 75 MONOCOLOR

Extra white single-component cementitious adhesive for the installation of every type of ceramic material on floors and walls. Specific for glassy mosaic even in immersion.



## COVERAGE

2 - 5 kg/m<sup>2</sup>

## CODE

5P00125

## COLOUR

White

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Extra-white single-component powder adhesive based on cement, Carrara marble powder, selected graded quartz aggregates, synthetic resins and additives.
- › Good deformability, null vertical slip and extended open time.
- › Strong adhesion in indoor and outdoor installation.
- › Ideal for the installation of mosaic even in immersion.
- › Classification **C2TE-S1** according to the European Norm **EN 12004**.

## USE

- › Installation of floor and wall tiles and ceramic or glass mosaics, including water-immersed applications.
- › Installation of mosaic in swimming-pools.
- › Installation of double fired and single fired ceramic tiles and porcelain stoneware.
- › Installation of ceramic floor tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of floors with heavy traffic.
- › Installation of heating floors.
- › Installation of tiles and mosaics on panels in gypsum board.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7 - 7.5 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 20 minutes
Adjustment time	> 15 minutes
Ready for traffic	after 24 hours
Grouting	after 2 - 3 days

Final hardening

after 14 days

## FINAL PERFORMANCE

Deformability	Class S1 (> 2.5 mm)
Adhesion: dry (after 28 days)	> 3.0 N/mm <sup>2</sup>
after heating	> 2.0 N/mm <sup>2</sup>
after immersion in water	> 1.0 N/mm <sup>2</sup>
after frost-thaw cycles	> 1.0 N/mm <sup>2</sup>



## APPLICATION CYCLE

### WALL INSTALLATION OF A GLASSY MOSAIC ON A CEMENTITIOUS RENDER.

#### USED ADESITAL PRODUCTS:

- › ADEFLEX GREEN LIGHT S1 BIANCO
- › ADEFLEX GREEN LIGHT S2 BIANCO
- › ADEFLEX GREEN LIGHT S1 RAPID BIANCO
- › B 75 MONOCOLOR
- › ADEPOXY MATERIA
- › ADEPOXY MATERIA TECH

#### PRELIMINARY STEPS:

Before installing the material, check the quality, the consistency and the mechanical properties of the render as indicated in the norm UNI 11493. After this step, choose a suitable notched trowel for applying the product.



01

Prepare the substrate properly and level the adhesive type **B75 MONOCOLOR**, **ADEFLEX GREEN LIGHT S1**, **ADEFLEX GREEN LIGHT S2** and **ADEFLEX GREEN LIGHT S1 RAPID**.



02

Then, apply the adhesive with the toothed part of the squeegee.



03

Application of the sheet of glassy mosaic.



04

Press evenly the tesseras with a suitable rubber squeegee to ensure a complete wetting of their back side.



05

Make sure that the adhesive does not fill in the gaps between the tiles to be filled with sealant type **ADEPOXY MATERIA** or **ADEPOXY MATERIA TECH**.

# EXTRA 30 MAXI

High performance **S1** deformable cementitious adhesive, with extended open time and no slip, for thickness from 3 to 20 mm, with technology for reduced dust emission while mixing.



## COVERAGE

3 - 5 kg/m<sup>2</sup>

## CODE

2930225

2932025

## COLOUR

White

Grey

## PACKAGE

25 kg bag

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive for high thickness (up to 20 mm); it hardens without decreasing its thickness and with low shrinkage.
- › Highly deformable, classified S1 according to the European Norm EN 12002, excellent capacity of meeting the substrate and tile movements.
- › Excellent workability and adjustability, no vertical slip and extended open time.
- › Strong adhesion in indoor and outdoor installation.
- › Indicated for the installation of large-sized porcelain stoneware slabs on even irregular cementitious screeds.
- › Classification **C2TE-S1** according to the European Norm EN 12004.

## USE

- › Installation of large sized ceramic tiles and solid natural stones on even irregular cementitious screeds.
- › Installation of extruded terracotta and klinker on cementitious screeds.
- › Installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of floors subject to heavy traffic.
- › Installation of heating floors.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7.3 - 7.8 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.7 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	45 - 60 minutes
Ready for traffic	after 24 hours

Wall grouting	after 4 - 8 hours
Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability (according to EN 12002)	> 2.5 mm (S1)
Adhesion: dry	2.6 N/mm <sup>2</sup>
after heating	2.5 N/mm <sup>2</sup>
after immersion in water	1.1 N/mm <sup>2</sup>
after frost-thaw cycles	1.3 N/mm <sup>2</sup>

# EXTRA 30 POWER

Single-component, highly performing, **S1** deformable cementitious adhesive. Studied for installing large porcelain stoneware slabs.



## COVERAGE

2.5 - 5 kg/m<sup>2</sup>

## CODE

2933125

## COLOUR

White

## PACKAGE

25 kg bag

2933225

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component, powder adhesive with excellent adhesion on porcelain stoneware.
- › Highly deformable, classified S1 according to the European Norm EN 12002, excellent capacity of meeting the substrate and tile movements.
- › Extended open time and strong adhesion in indoor and outdoor installation.
- › Creamy consistency and extremely easy to apply.
- › For floors and walls, its very high thixotropy prevents vertical sliding of tiles.
- › Indicated for installing large porcelain stoneware slabs.
- › Classification C2TE-S1 according to the European Norm EN 12004.

## USE

- › Indoor and outdoor installation of every type of ceramic material (porcelain stoneware, double firing, single firing, klinker).
- › Indoor and outdoor installation of stone materials (if solid and non-absorbing).
- › Installation of ceramic tiles on heating floors and cementitious renders.
- › Installation of floors with heavy traffic.
- › Installation on deformable substrates: gypsum board, asbestos cement, marine-type plywood, wood composition panels (suitably prepared, solid to water and not treated).
- › Installation on prefabricated concrete walls and on cured concrete substrates.
- › Installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	white 7.0 - 7.5 l of water every 25 kg grey 6.8 - 7.3 l of water every 25 kg
Pot life	8 hours
Mix volume mass	1.4 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	> 20 minutes
Ready for traffic	after 24 - 36 hours
Wall grouting	after 4 - 8 hours

Floor grouting	after 24 - 36 hours
Final hardening	14 days

## FINAL PERFORMANCE

Adhesion: initial	2.4 N/mm <sup>2</sup>
Adhesion after heating	2.2 N/mm <sup>2</sup>
Adhesion after immersion in water	1.1 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	1.2 N/mm <sup>2</sup>
Resistance to humidity	excellent
Resistance to aging	excellent
Resistance to solvents and alkali	good
Resistance to acids	poor

# EXTRA 30 POWER BIANCO FLASH



SUPER WHITE single-component, highly performing, cementitious, S1 deformable adhesive. Studied for installing large porcelain stoneware slabs.



## COVERAGE

2.5 - 5.0 kg/m<sup>2</sup>

## CODE

2933325

## COLOUR

White

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component, powder adhesive with excellent adhesion on porcelain stoneware.
- › Excellent white shade. The colour has been modified with the combination of ultra-white sands from special quarries.
- › Highly deformable, classified S1 according to the European Norm EN 12002, excellent capacity of meeting the substrate and tile movements.
- › Extended open time and strong adhesion in indoor and outdoor installation.
- › Creamy consistency and extremely easy to apply.
- › For floors and walls, its very high thixotropy prevents vertical sliding of tiles.
- › Classification C2TE-S1 according to the European Norm EN 12004.

## USE

- › Indoor and outdoor installation of every type of ceramic material (porcelain stoneware, double firing, single firing, klinker).
- › Indoor and outdoor installation of stone materials (if solid and non-absorbing).
- › Installation of ceramic tiles on heating floors and cementitious renders.
- › Installation of floors with heavy traffic.
- › Installation on deformable substrates: gypsum board, asbestos cement, marine-type plywood, wood composition panels (suitably prepared, solid to water and not treated).
- › Installation on prefabricated concrete walls and on cured concrete substrates.
- › Installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Powder volume mass	1.4 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	8.5 - 8.8 l of water every 25 kg bag
Pot life	8 hours
Application temperature	from +5°C to +35°C
Mix pH	> 12
Open time	30 minutes
Adjustment time	20 minutes
Ready for traffic	after 24 - 36 hours
Wall grouting	after 4 - 8 hours
Floor grouting	after 24 - 36 hours

Final hardening

14 days

## FINAL PERFORMANCE

Initial adhesion	2.4 N/mm <sup>2</sup>
Adhesion after heating	2.2 N/mm <sup>2</sup>
Adhesion after immersion in water	1.1 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	1.2 N/mm <sup>2</sup>
Resistance to humidity	excellent
Resistance to aging	excellent
Resistance to solvents and alkali	good
Resistance to acids	poor

# EXTRA 30 FAST

Special cementitious adhesive with accelerated setting and null vertical slip.  
Ideal for porcelain stoneware.



## COVERAGE

2.5 - 5 kg/m<sup>2</sup>

## CODE

2933525

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component adhesive with accelerated setting and hydration with excellent adhesion on porcelain stoneware, ready for traffic already 2 - 3 hours after the installation.
- › Fair deformability and null vertical slip.
- › Strong adhesion in indoor and outdoor installation.
- › Frost and heat resistant.
- › It is especially recommended for the installation of non-absorbent tiles and ceramic tiles on old ones for surfaces requiring a rapid use.
- › Classification C2FT according to the European Norm EN 12004.

## USE

- › Indoor and outdoor rapid installation on cementitious renders and screeds of any ceramic tile: porcelain stoneware, klinker, terracotta, single and double fired tiles, solid stone materials.
- › Installation of medium-sized floor ceramic tiles on ceramic, terrazzo tiles and solid natural stones.
- › Ceramic installation on heating floors.
- › Ceramic installation on panels in gypsum board.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.
- › Installation of insulating panels indoors.
- › Installation of non-absorbing natural stones and agglomerate marbles with small and medium dimensions.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	5.5 - 6.0 l of water every 25 kg bag
Pot life	> 30 minutes
Mix volume mass	1.5 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Initial setting time	50 minutes
Final setting time	60 minutes
Open time	> 10 minutes
Adjustment time	> 15 minutes

Ready for traffic	after 3 hours
Ready for continuous traffic	after 6 hours
Final hardening	3 days

## FINAL PERFORMANCE

Deformability	good
Adhesion: initial	1.8 N/mm <sup>2</sup>
after heating	1.7 N/mm <sup>2</sup>
after immersion in water	1.2 N/mm <sup>2</sup>
after frost-thaw cycles	1.4 N/mm <sup>2</sup>

# EXTRA 30

High performance cementitious adhesive, with extended open time and null slip. Ideal for porcelain stoneware.



## COVERAGE

2.5 - 5 kg/m<sup>2</sup>

## CODE

2930025

## COLOUR

White

## PACKAGE

25 kg bag

2931025

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component, powder cementitious adhesive with excellent adhesion on porcelain stoneware.
- › Fair deformability, null vertical slip and extended open time.
- › Strong adhesion in indoor and outdoor installation.
- › Frost and heat resistant.
- › Indicated for the installation of floors subject to continuous traffic and of ceramic tiles on old ones, terrazzo tiles and natural stones.
- › Flash white, in the white version the colour has been modified with the combination of ultra-white sands from special quarries.
- › Super smooth, the addition of special quartz and lime sands gives a feeling of smoothness and creaminess both in the GREY and WHITE versions.
- › With very low VOC emissions (EC1 plus).
- › Classification C2TE according to the European Norm EN 12004.

## USE

- › Installation on cementitious renders and screeds of porcelain stoneware and every type of ceramic tiles and solid stone materials.
- › Installation of ceramic tiles on ceramic, terrazzo tiles and solid natural stones.
- › Installation of ceramic tiles in terraces and balconies.
- › Ceramic installation on panels in gypsum board.
- › Ceramic installation on heating floors.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	white 7.8 - 8.5 l of water every 25 kg grey 7.3 - 8.0 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	60 minutes
Ready for traffic	after 24 hours

Grouting

after 24 - 36 hours

Final hardening

after 14 days

## FINAL PERFORMANCE

Deformability	good
Adhesion: dry	1.8 N/mm <sup>2</sup>
after heating	1.7 N/mm <sup>2</sup>
after immersion in water	1.2 N/mm <sup>2</sup>
after frost-thaw cycles	1.4 N/mm <sup>2</sup>

## APPLICATION CYCLE

### FLOOR INSTALLATION OF PORCELAIN STONEWARE ON OLD TILES.

#### USED ADESITAL PRODUCTS:

- › ADEGRIP ECO
- › ADEFLEX GREEN LIGHT S1
- › ADEFLEX GREEN LIGHT S1 RAPID
- › EXTRA 30
- › EXTRA 30 MAXI
- › EXTRA 30 FAST
- › EXTRA 30 POWER

#### PRELIMINARY STEPS:

Before installing the material, check the consistency and adhesion of the old tiles. Prepare the substrate correctly with suitable products and with possible mechanical operations. After this step, choose a suitable notched trowel for applying the product.



01

Apply **ADEGRIP ECO** after having prepared the substrate properly. Then proceed with the application of the adhesive type **EXTRA 30**, **EXTRA 30 MAXI**, **EXTRA 30 FAST**, **ADEFLEX GREEN LIGHT S1** and **ADEFLEX GREEN LIGHT S1 RAPID**, **EXTRA 30 POWER**.

02

Use a squeegee with adequate tooth height to ensure perfect coverage of the tile back side.



03

Apply the ceramic tiles on the spread adhesive and beat them so that their back side is completely wetted.

04

It is important to check that the back side of the applied tiles is completely wetted with adhesive.

# EXTRA 40 FAST

NEW

High performance cementitious adhesive, with rapid setting and null vertical slip. Ideal for marbles and natural stones.



## COVERAGE

2.5 - 4 kg/m<sup>2</sup> (when mixed with water)

## CODE

0125923AD

## COLOUR

White

## PACKAGE

23 kg bag

2917825

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive with rapid setting and hydration.
- › Ready for traffic already 2 - 3 hours after the installation.
- › Excellent adhesion even on non-absorbent surfaces, it hardens without shrinking and features a fair deformability.
- › Installation of materials that can be altered by absorbing the moisture of a standard adhesive or for works requiring a rapid use.
- › Water resistant, with null vertical slip and SUPER SMOOTH when applying it with the squeegee.
- › The white version of the product is featured by an excellent white shade.
- › Classification according to EN 12004, class C2 FT-S1.
- › Mixed with LATEX R 200 completely replacing the water, it improves the deformability and adhesion, meeting the requirements of class S2 (highly deformable adhesive).
- › With very low content of Volatile Organic Compounds (class EC1 plus).

## USE

- › Indoor and outdoor rapid installation on traditional substrates of any ceramic tile: porcelain stoneware, klinker, terracotta, single and double fired tiles.
- › Installation of non-absorbent natural stones, granites, light marbles.
- › Rapid installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white and grey
Powder volume mass	1.3 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	4.8 - 5.8 l of water every 23 kg bag, white 5.3 - 5.8 l of water every 25 kg bag, grey
Pot life	30 minutes
Mix volume mass	1.5 g/cm <sup>3</sup>
Application temperature	from +5°C to +30°C
Mix pH	> 12
Initial setting time	50 minutes
Final setting time	60 minutes
Open time	10 minutes

Adjustment time	15 minutes
Ready for traffic	after 3 hours
Ready for continuous traffic	after 6 hours
Final hardening	after 3 days on dry substrates

## FINAL PERFORMANCE

Initial adhesion	2.0 N/mm <sup>2</sup>
Adhesion after heating	1.8 N/mm <sup>2</sup>
Adhesion after immersion in water	1.2 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	1.1 N/mm <sup>2</sup>
Deformability (according to EN 12004)	> 2.5 mm (S1, when mixed with water) > 5.0 mm (S2, when mixed with LATEX R 200 completely replacing the water)



# ADEPROOF RAPIDO

High performance and deformable fast-setting water-repellent cementitious adhesive, for the installation of ceramic and natural stones. Ideal for the installation on waterproofing membranes, such as ADEPROOF.



## COVERAGE

2.5 - 4 kg/m<sup>2</sup>

## CODE

2917425

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive with rapid setting and hydration, ready for traffic already 3 hours after the installation.
- › Excellent adhesion even on non-absorbent surfaces, frostproof and with a fair deformability.
- › Null vertical slip.
- › For indoor and outdoor use.
- › Thanks to its water-repellency, it dramatically reduces the passage of water, aiding the efficiency of the waterproofing system made with ADEPROOF membranes.
- › It is recommended for works requiring a rapid use.
- › Classification **C2FT-S1** according to the European Norm **EN 12004**.

## USE

- › Indoor and outdoor rapid installation on ADEPROOF waterproofing membranes and on traditional substrates of any ceramic tile: porcelain stoneware, klinker, terracotta, single and double fired tiles.
- › Installation of natural stones, granites, coloured marbles and non-absorbent agglomerates.
- › Rapid installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Ideal for the installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	6.5 - 7.0 l of water every 25 kg
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Setting time	start 120 minutes - end 180 minutes
Open time	10 minutes
Adjustment time	15 minutes
Ready for traffic	after 3 hours

Ready for continuous traffic

after 6 hours

Final hardening

after 3 days on dry substrates

## FINAL PERFORMANCE

Deformability	> 2.5 mm (S1)
Adhesion: initial(after 28 days)	1.9 N/mm <sup>2</sup>
after heating	1.8 N/mm <sup>2</sup>
after immersion in water	1.0 N/mm <sup>2</sup>
after frost-thaw cycles	1.0 N/mm <sup>2</sup>

# ADEGRES

Cementitious adhesive with mixed binders, with extended open time for vitrified materials.



CODE	COLOUR	PACKAGE
2905025	White	25 kg bag
2905045A	White	4x5 kg box
2906025	Grey	25 kg bag
2906045A	Grey	4x5 kg box

## COVERAGE

Small and standard sizes 2 - 3 kg/m <sup>2</sup>
Large sizes, terracotta, klinker 4 kg/m <sup>2</sup> and over

## PRODUCT FEATURES

- › Single-component powder adhesive with mixed binder (cement and resins) featured by an excellent adhesiveness on porcelain stoneware.
- › Null vertical slip and extended open time.
- › Strong adhesion in indoor and outdoor installation.
- › Recommended for the installation on traditional cementitious substrates, such as screeds and renders.
- › Flash white, in the white version the colour has been modified with the combination of ultra-white sands from special quarries.
- › Super smooth, the addition of special quartz and lime sands gives a feeling of smoothness and creaminess both in the GREY and WHITE versions.
- › Classification C2TE according to the European Norm EN 12004.

## USE

- › Indoor and outdoor installation of ceramic tiles: medium-sized porcelain stoneware, terracotta, single and double fired, on traditional cementitious renders and screeds.
- › Indoor overlapping on existing, medium-sized ceramic floors.
- › Bonding inside insulating materials.
- › Installation of heating floors.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7.5 - 8.0 l of water every 25 kg
Pot life	6 - 8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	> 60 minutes
Ready for traffic	after 24 hours

Wall grouting	after 4 - 8 hours
Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability	medium
Adhesion: dry (after 28 days)	1.6 N/mm <sup>2</sup>
after heating	1.4 N/mm <sup>2</sup>
after immersion in water	1.2 N/mm <sup>2</sup>
after frost-thaw cycles	1.4 N/mm <sup>2</sup>

# ADEX HP 30

Cementitious adhesive for the installation of every type of ceramic material. Specific for large-sized floors.



## COVERAGE

2.5 - 5 kg/m<sup>2</sup>

## CODE

2910225

## COLOUR

White

## PACKAGE

25 kg bag

2910125

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive with excellent features of workability and adjustability.
- › Extended open time and strong adhesion in indoor and outdoor installation.
- › Suitable also for overlapped installation.
- › Specific for the installation of ceramic tiles on large-sized floors.
- › Classification **C2E** according to the European Norm **EN 12004**.

## USE

- › Installation of ceramic tiles and solid natural stones on cementitious screeds.
- › Installation of terracotta, single fired tiles, stoneware and klinker on cementitious screeds and renders.
- › Installation of porcelain and marble stoneware even on existing surfaces.
- › Installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of floors with heavy traffic.
- › Installation of heating floors.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	white 7 - 7.5 l of water every 25 kg grey 6.5 - 7.0 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	30 minutes
Ready for traffic	after 24 hours
Wall grouting	after 4 - 8 hours

Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability	good
Adhesion: dry	> 1.4 N/mm <sup>2</sup>
after heating	> 1.5 N/mm <sup>2</sup>
after immersion in water	> 1.3 N/mm <sup>2</sup>
after frost-thaw cycles	> 1.5 N/mm <sup>2</sup>

# ADEX HP 30 FAST

NEW

Cementitious adhesive with accelerated setting and extended open time for the installation of every type of ceramic material. Specific for large-sized floors.



## COVERAGE

2.5 - 5.0 kg/m<sup>2</sup>

## CODE

0059125AD

## COLOUR

White

## PACKAGE

25 kg bag

2910625

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive, with rapid setting and excellent features of workability and adjustability.
- › Extended open time and strong adhesion in indoor and outdoor installation.
- › Specific for the installation of ceramic tiles on large-sized floors.
- › Suitable also for overlapped installation.
- › Classification C2FE according to the European Norm EN 12004.

## USE

- › Rapid installation of terracotta, single fired tiles, stoneware and klinker on cementitious screeds and renders.
- › Installation of ceramic tiles and non-absorbing natural stones on cementitious screeds.
- › Installation of porcelain and marble stoneware even on existing surfaces.
- › Installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of floors with heavy traffic.
- › Installation of heating floors.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white and grey
Powder volume mass	1.5 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	6.5 - 7.0 l of water every 25 kg bag, white 6.0 - 6.5 l of water every 25 kg bag, grey
Pot life	30 minutes
Application temperature	from +5°C to +35°C
Mix pH	> 12
Setting time	start 50 minutes - end 60 minutes
Open time	30 minutes
Adjustment time	15 minutes
Ready for traffic	after 3 hours

Ready for continuous traffic

after 6 hours

Final hardening

after 3 days on dry substrates

## FINAL PERFORMANCE

Initial adhesion	1.4 N/mm <sup>2</sup>
Adhesion after heating	1.5 N/mm <sup>2</sup>
Adhesion after immersion in water	1.1 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	1.3 N/mm <sup>2</sup>
Deformability	fair
Resistance to humidity	excellent
Resistance to aging	excellent
Resistance to solvents and oils	good
Resistance to alkali	excellent
Resistance to acids	poor

# ADEX HP 30 PLUS



S1 deformable cementitious adhesive for the installation of every type of ceramic material. Designed for large sized ceramic floor slabs.



COVERAGE
2.5 - 5 kg/m <sup>2</sup>

CODE	COLOUR	PACKAGE
2910425	White	25 kg bag
2910325	Grey	25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive with excellent features of workability and adjustability.
- › Extended open time and strong adhesion in indoor and outdoor installation.
- › Suitable also for overlapped installation.
- › Specific for the installation of large-sized ceramic tiles on wide floors.
- › Classification **C2E-S1** according to the European Norm **EN 12004**.

## USE

- › Installation of large ceramic surfaces and in solid natural stone, on cementitious screeds.
- › Installation of terracotta, single fired tiles, stoneware and klinker on cementitious screeds and renders.
- › Installation of porcelain and marble stoneware even on existing surfaces.
- › Installation of ceramic tiles on ceramic, terrazzo tiles, natural stones.
- › Installation of floors with heavy traffic.
- › Installation of heating floors.
- › Installation of wall and floor ceramic tiles on substrates water-proofed by ADEPROOF membranes.

TECHNICAL DATA		(at +23°C and 50% R.H.)
Appearance		powder
Colour		white and grey
Powder volume mass		1.5 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)	
Mixing ratio		7.6 - 8.1 l of water every 25 kg bag, grey 8.0 - 8.5 l of water every 25 kg bag, white
Pot life		8 hours
Application temperature		from +5°C to +35°C
Mix pH		> 12
Open time		30 minutes
Adjustment time		30 minutes
Ready for traffic		after 24 - 36 hours
Wall grouting		after 4 - 8 hours

Floor grouting	after 24 - 36 hours
Final hardening	14 days

FINAL PERFORMANCE	
Initial adhesion	2.2 N/mm <sup>2</sup>
Adhesion after heating	2.0 N/mm <sup>2</sup>
Adhesion after immersion in water	1.2 N/mm <sup>2</sup>
Adhesion after frost-thaw cycles	1.2 N/mm <sup>2</sup>
Deformability	good
Resistance to humidity	excellent
Resistance to aging	excellent
Resistance to solvents and oils	excellent
Resistance to alkali	(poor with vegetable oils) poor

# ADEBOND

Cementitious adhesive with extended open time for the installation of ceramic tiles.



## COVERAGE

2.5 - 5 kg/m<sup>2</sup>

## CODE

2923025

## COLOUR

White

## PACKAGE

25 kg bag

2937025

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive for the installation of tiles with medium porosity.
- › Extended open and adjustment time, as well as excellent adhesion, spreadability and water retention.
- › For indoor and outdoor use.
- › For cementitious substrates.
- › With very low VOC emissions (EC1 plus).
- › Classification C1E according to the European Norm EN 12004.

## USE

- › Installation of single and double fired wall and floor ceramic tiles with medium porosity.
- › Installation on cementitious screeds and renders.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	white 6.5 - 7.0 l of water every 25 kg grey 6.8 - 7.3 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	45 minutes
Ready for traffic	after 24 hours
Wall grouting	after 4 - 8 hours

Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability:	
mixed with water	not deformable
mixed with LATEX EL 300	> 5.0 mm (S2)
Adhesion: dry	
after heating	1.6 N/mm <sup>2</sup>
after immersion in water	0.9 N/mm <sup>2</sup>
after frost-thaw cycles	1.2 N/mm <sup>2</sup>
	1.3 N/mm <sup>2</sup>

# B 75 SPECIAL

Special cement-based adhesive with no vertical slip for ceramic tiles.



## COVERAGE

2 - 5 kg/m<sup>2</sup>

## CODE

2924525

## COLOUR

White

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Extra-white single-component powder adhesive based on white cement, Carrara marble powder, synthetic resins and additives.
- › Null vertical slip, ideal for vertical application or with wide joint without spacers.
- › For indoor and outdoor use.
- › Excellent for the installation on cementitious screeds and renders.
- › Classification C1T according to the European Norm EN 12004.

## USE

- › Installation of wall and floor ceramic tiles with high and medium porosity.
- › Mixed with LATEX EL 300 completely replacing the water, it is particularly recommended for the installation of glassy and ceramic mosaics.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7.5 - 8 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	30 minutes
Adjustment time	> 15 minutes
Ready for traffic	after 24 hours
Wall grouting	after 4 - 8 hours

Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability:	
mixed with water	not deformable
mixed with LATEX EL 300	> 5 mm (S2)
Adhesion: dry	
after heating	1.3 N/mm <sup>2</sup>
after immersion in water	0.6 N/mm <sup>2</sup>
after frost-thaw cycles	> 0.5 N/mm <sup>2</sup>

# ADEPLUS TIXO

Cementitious adhesive with extended open time, null vertical slip and excellent workability for the installation of ceramic tiles.



## COVERAGE

2.5 - 5.0 kg/m<sup>2</sup>



CODE	COLOUR	PACKAGE
2912825	White	25 kg bag
2912845A	White	4x5 kg box
2912925	Grey	25 kg bag
2912945A	Grey	4x5 kg box

## PRODUCT FEATURES

- › Single-component cementitious adhesive for the installation of ceramic tiles.
- › Null vertical slip and extended open time.
- › Excellent adhesion and easy workability.
- › For the indoor and outdoor installation on traditional substrates such as cementitious screeds and renders.
- › Classified C1TE according to the European Norm EN 12004.

## USE

- › Installation of single and double fired wall and floor ceramic tiles with medium porosity.
- › Installation on cementitious screeds and renders.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	white 6.4 - 6.9 l of water every 25 kg bag grey 6.3 - 6.8 l of water every 25 kg bag
Pot life	8 hours
Mix volume mass	1.55 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	30 minutes
Adjustment time	45 minutes
Ready for traffic	after 24 - 36 hours

Wall grouting	after 4 - 8 hours
Floor grouting	after 24 - 36 hours
Final hardening	14 days

## FINAL PERFORMANCE

Deformability:	
mixed with water	not deformable
Adhesion: dry	1.3 N/mm <sup>2</sup>
after heating	0.6 N/mm <sup>2</sup>
after immersion in water	0.8 N/mm <sup>2</sup>
after frost-thaw cycles	0.9 N/mm <sup>2</sup>



# ADEPLUS

Cementitious adhesive with extended open time and excellent workability for the installation of ceramic tiles.



## COVERAGE

2 - 5 kg/m<sup>2</sup>

## CODE

2912225

## COLOUR

White

## PACKAGE

25 kg

2912425

Grey

25 kg

## PRODUCT FEATURES

- › Single-component fine powder adhesive for the installation of tiles with medium porosity.
- › Excellent adhesion, easy spreading, extended open and adjustability times.
- › For indoor and outdoor use.
- › For cementitious substrates.
- › Classification **C1E** according to the European Norm **EN 12004**.

## USE

- › Installation of single and double fired wall and floor ceramic tiles with medium porosity.
- › Installation on cementitious screeds and renders.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white/grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7 - 7.5 l of water every 25 kg
Pot life	over 8 hours
Mix volume mass	1.55 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	> 30 minutes
Adjustment time	> 45 minutes
Ready for traffic	after 24 hours
Wall grouting	after 4 - 8 hours

Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability:	
mixed with water	not deformable
mixed with LATEX EL 300	excellent
Adhesion: dry	
after heating	0.6 N/mm <sup>2</sup>
after immersion in water	0.8 N/mm <sup>2</sup>
after frost-thaw cycles	0.9 N/mm <sup>2</sup>

# E 50

Normal cementitious adhesive for the installation of ceramic tiles.



## COVERAGE

2.5 - 5 kg/m<sup>2</sup>

## CODE

2926025

## COLOUR

White

## PACKAGE

25 kg bag

2927025

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive based on cements, selected grain size aggregates and additives.
- › Excellent smoothness and water retention.
- › For indoor and outdoor use.
- › For cementitious substrates.
- › Classification C1 according to the European Norm EN 12004.

## USE

- › Installation of single fired porous and double fired ceramic tiles.
- › Installation on cementitious screeds and renders.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	white 6.5 - 7.3 l of water every 25 kg grey 6.0 - 6.8 l of water every 25 kg
Pot life	6 - 8 hours
Mix volume mass	1.40 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	5°C ÷ 35°C
Open time	> 15 minutes
Adjustment time	45 minutes
Ready for traffic	after 24 hours

Wall grouting	after 3 - 6 hours
Floor grouting	after 24 - 36 hours
Final hardening	after 14 days

## FINAL PERFORMANCE

Deformability	not deformable
Adhesion: dry	1.0 N/mm <sup>2</sup>
after heating	0.7 N/mm <sup>2</sup>
after immersion in water	0.6 N/mm <sup>2</sup>
after frost-thaw cycles	0.6 N/mm <sup>2</sup>

# ADEFLEX T

Two-component waterproofing adhesive for natural stones and ceramic tiles.



## COVERAGE

2.5 - 3.5 kg/m<sup>2</sup>

## CODE

103510AD

## COLOUR

White

## PACKAGE

10 kg (9.4+0.6) drum

103610AD

Grey

10 kg (9.4+0.6) drum

## PRODUCT FEATURES

- › Two-component polyurethane adhesive, to be mixed at the application.
- › Thixotropic, elastic, waterproof and easy to apply.
- › Suitable for the installation of any tile on any substrate: metals, PVC, concrete, renders.
- › For indoor and outdoor use.
- › Classification R2T according to the European Norm EN 12004.

## USE

- › Interior and exterior installation of even large-sized ceramic tiles, mosaics, solid natural stones and marbles on floors and walls.
- › installation of agglomerate marbles on solid cementitious substrates.
- › Installation of mosaics or ceramic tiles in showers and on working tops with wooden structure.
- › Installation on deformable substrates or substrates subject to vibrations.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Comp. A	Comp. B
Appearance	thick paste	liquid fluid
Colour	white / grey	transparent
Storage	24 months in the original packaging	
Mixing ratio	Comp. A: 94	Comp. B: 6
Pot life	30-40 minutes	
Mix consistency	creamy	
Mix volume mass	1.52 g/cm <sup>3</sup>	
Application temperature	from 10°C to 30°C	
Open time	50 minutes	
Adjustment time	90 minutes	
Initial setting time	6 hours	

Final setting time	8 hours
Ready for traffic	after 12 hours
Grouting	after 12 hours
Final hardening	after 7 days

## FINAL PERFORMANCE

Deformability	high
Adhesion: dry	2.6 N/mm <sup>2</sup>
after heating	2.0 N/mm <sup>2</sup>
after frost-thaw cycles	2.4 N/mm <sup>2</sup>
Resistance: to solvents and oils	good
to acids and alkali	good
to temperature	from -40°C to +100°C

# ADEFLEX MS



Hybrid installation adhesive, ready-for-use, with rapid setting and high suction cup effect.



## COVERAGE

5 m seam/cartridge

## CODE

2463943AD

## COLOUR

White

## PACKAGE

12-cartridge box,  
290 ml

## PRODUCT FEATURES

- › Ready-for-use, silylated polymer-based installation universal adhesive with high elastic module.
- › Hybrid technology, free from silicone, isocyanates and solvents.
- › Strong initial bonding due to the “suction cup effect” and its rapid hardening.
- › It combines the best characteristics of neutral silicone sealants and polyurethane adhesives increasing performance and ease of use.

## USE

- › Installation of various elements in ceramic, stone, concrete and cement materials in general.
- › Installation of sheets, plumbing and metal elements in general.
- › Installation of sills, balconies and windowsills.
- › Installation of wood and wood derivatives.
- › Installation of skirting boards, wooden and plastic wire covers, both rigid and flexible plastic components.
- › Installation of glass and glassy materials.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thixotropic paste
Colour	white
Storage	18 months (in the original packaging and in a dry place)
Volume mass	1.45 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Operating temperature	from -40°C to +90°C
Adjustment time	5 minutes
Initial hardening	1.30 hours
Final hardening	24 - 48 hours

## FINAL PERFORMANCE

Ultimate elongation	120%
Final tensile strength	3.0 N/mm <sup>2</sup>
Resistance to UV rays	excellent
Shore-A hardness	80

# ADESINT

High performance paste adhesive with null vertical slip and extended open time for ceramic tiles.



## COVERAGE

on walls	1.5 - 2.5 kg/m <sup>2</sup>
on floors	3 - 4 kg/m <sup>2</sup>

## CODE

010318AD
010305AD

## COLOUR

White
White

## PACKAGE

18 kg drum
5 kg drum

## PRODUCT FEATURES

- › Ready-for-use paste adhesive based on synthetic resins in water dispersion for indoor applications.
- › Excellent adhesiveness and deformability.
- › Suitable for the indoor bonding of thickness up to 5 mm.
- › Classification **D2TE** according to the European Norm EN 12004.

## USE

- › Indoor and outdoor installation of ceramic tiles of any type (porcelain stoneware, double firing, single firing, klinker).
- › Suitable for applications on cementitious substrates, gypsum substrates, wooden panels and wood composition panels.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick paste
Colour	white
Storage	24 months at temperatures higher than +5°C PROTECT AGAINST FROST
Volume mass	1.70 g/cm <sup>3</sup>
pH	8.5
Application temperature	from +5°C to +35°C
Open time	30 minutes
Adjustment time	40 minutes
Ready for traffic	after 12 - 24 hours
Grouting	after 12 - 24 hours
Final hardening	after 7 - 14 days

## FINAL PERFORMANCE

Deformability	high
Adhesion: dry	> 1 N/mm <sup>2</sup>
after heating	> 1 N/mm <sup>2</sup>
after the action of water	> 0.5 N/mm <sup>2</sup>

# M 73

Paste adhesive with null vertical slip and extended open time for ceramic tiles.



## COVERAGE

2 - 3 kg/m<sup>2</sup>

## CODE

010112AD

## COLOUR

White

## PACKAGE

12 kg drum

## PRODUCT FEATURES

- › Ready-for-use paste adhesive based on acrylic resins in water dispersion for indoor applications.
- › Excellent adhesiveness and deformability. Suitable for the indoor bonding of thickness up to 5 mm.
- › Classification **D1TE** according to the European Norm **EN 12004**.

## USE

- › Indoor and outdoor installation of ceramic tiles of any type (porcelain stoneware, double firing, single firing, klinker).
- › Suitable for applications on absorbing substrates such as: gypsum-based renders, gypsum and brick gypsum prefabricated blocks, gypsum board and asbestos cement plates, cement-based renders, wooden panels.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick paste
Colour	white
Storage	24 months at temperatures higher than +5°C PROTECT AGAINST FROST
Volume mass	1.6 g/cm <sup>3</sup>
pH	9
Application temperature	from +5°C to +35°C
Open time	40 minutes
Adjustment time	60 minutes
Ready for traffic	after 24 - 48 hours
Grouting	after 24 hours
Final hardening	after 7 - 14 days

## FINAL PERFORMANCE

Deformability	high
Adhesion: dry	2.0 N/mm <sup>2</sup>
after heating	4.0 N/mm <sup>2</sup>
Application temperature	from -30°C to +90°C

# LATEX EL 300

Highly elasticizing and adhesion-promoting additive for cementitious adhesives.



COVERAGE	LATEX EL 300	ADEBOND
mosaics and small sizes	0.6 kg/m <sup>2</sup>	1.8 kg/m <sup>2</sup>
standard sizes (up to 20x20 cm)	0.8 kg/m <sup>2</sup>	2.4 kg/m <sup>2</sup>
large sizes	1.3 - 1.5 kg/m <sup>2</sup>	3.6 - 4.5 kg/m <sup>2</sup>

CODE	COLOUR	PACKAGE
097125AD	-	25 kg drum
097105AD	-	5 kg drum

## PRODUCT FEATURES

- › Synthetic latex, made up of a water dispersion of a highly flexible polymer that, mixed with cementitious adhesives, improves their adhesion, deformability and waterproofing on every substrate.
- › The adhesive ADEBOND mixed with LATEX EL 300 becomes class **C2**, deformability **S2**.
- › The adhesive B 75 SPECIAL mixed with LATEX EL 300 becomes class **C2**, deformability **S2** and is used for the installation of glassy mosaic.

## USE

- › Indoor and outdoor installation of any type of ceramic tiles, marbles, agglomerate and natural stones non-absorbing and without efflorescence (for white marbles use EXTRA 40 RAPIDO white) for walls and floors.
- › Installation of large-sized tiles.
- › Installation on absorbing substrates or subject to movements and thermal and mechanical stresses.
- › Installation of ceramic tiles in cold stores.
- › Installation on heating floors.
- › Installation on concrete prefabricated materials.
- › Installation on old ceramic tiles, terrazzo tiles, natural stones and marble.
- › Installation of ceramic tiles on deformable substrates (panels in gypsum board, reinforced concrete, asbestos cement).
- › Installation of ceramic tiles on waterproofing substrates prepared with ADEPROOF membranes.

## TECHNICAL DATA (at +23°C and 50% R.H.)

Appearance	liquid
Colour	white
Storage	24 months in the closed original packaging PROTECT AGAINST FROST
Volume mass	1.03 g/cm <sup>3</sup>
pH	5-6
Brookfield viscosity	40 mPa.s
Inflammability	no

## APPLICATION DATA ADEBOND + LATEX EL 300

Mixing ratio	1 part of LATEX EL 300 + 3 parts of ADEBOND
Pot life	8 hours
Mix volume mass	1.50 g/cm <sup>3</sup>
Mix pH	> 12

Application temperature	from +5°C to +35°C
Open time	10 - 15 minutes
Adjustment time	60 minutes
Ready for traffic	24 hours
Grouting	after 24 hours
Final hardening	after 14 days

## FINAL PERFORMANCE mixed with ADEBOND

Deformability	> 5 mm (S2)
Adhesion: dry	1.3 N/mm <sup>2</sup>
after heating	1.7 N/mm <sup>2</sup>
after immersion in water	1.0 N/mm <sup>2</sup>
after frost-thaw cycles	1.0 N/mm <sup>2</sup>
Resistance: to flexure	8.5 N/mm <sup>2</sup>
to compression	13.9 N/mm <sup>2</sup>

# LATEX R 200

Elasticizing additive for cementitious pre-mixes with rapid setting.



## COVERAGE

depending on the coverage of the products it is mixed with

## CODE

215110AD

## COLOUR

-

## PACKAGE

10 kg drum

## PRODUCT FEATURES

- › Extremely elastic polymeric latex in water dispersion.
- › The product EXTRA 40 FAST mixed with LATEX R 200 improves the deformability and adhesion while the other product features are unchanged.

## USE

- EXTRA 40 FAST mixed with LATEX R 200
- › indoor and outdoor floor and wall installation of even large-sized ceramic tiles, and non-absorbing natural stones.
- › Installation on heating floors.
- › Installation on deformable substrates (panels in gypsum board, asbestos cement).
- › Installation on concrete prefabricated walls.
- › Installation on façades, balconies and terraces.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	white
Storage	24 months in closed original packaging
Volume mass	1.04 g/cm <sup>3</sup>
pH	7
Brookfield viscosity	20 mPa.s
Inflammability	no

## APPLICATION DATA

**EXTRA 40 FAST + LATEX R 200**

Mixing ratio	EXTRA 40 FAST grey +8.0 kg of LATEX R 200 EXTRA 40 FAST white + 7.5 kg of LATEX R 200
Mix volume mass	1.55 g/cm <sup>3</sup>
Pot life	30 minutes

Application temperature	from 5°C to +30°C
Open time	10 - 15 minutes
Adjustment time	15 minutes
Ready for foot traffic	after 2 - 3 hours
Grouting	after 2 - 3 hours
Final hardening (on dry substrates)	after 24 days

## FINAL PERFORMANCE EXTRA 40 FAST + LATEX R 200

Deformability	> 5 mm (S2)
Adhesion: dry	2.5 N/mm <sup>2</sup>
after heating	2.3 N/mm <sup>2</sup>
after immersion in water	1.5 N/mm <sup>2</sup>
after frost-thaw cycles	1.2 N/mm <sup>2</sup>
Resistance: to compression	18.0 N/mm <sup>2</sup>
to flexure	8.0 N/mm <sup>2</sup>





# JOINT GROUTING AND FLEXIBLE SEALING

02

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# FUGAMAGICA ZEROSEI MATERIA

High performance water-repellent cementitious decorative sealant with extremely fine grain for grouting ceramic tiles from 0 to 6 mm. Colour, Cement, Wood and Stone Lines



## COVERAGE

SEE INDICATIONS on page 55

## CODE

## COLOUR

## PACKAGE

SEE COLOUR TABLE on page 51

## PRODUCT FEATURES

- › Single-component water-repellent decorative sealant based on cement, selected aggregates, synthetic resins, water-repellent additives and coloured pigments.
- › Easy to spread and clean, its formulation has been tested to facilitate grouting and cleaning of tiled surfaces.
- › Smooth and velvety finish, for an aesthetic and tactile effect suitable for grouting high quality ceramic slabs.
- › Resistant to UV rays, abrasion, alkalis and detergents, maintains its characteristics over time.
- › Water-repellent and resistant to the formation of mildew.
- › Efflorescence-preventing.
- › With very low VOC emissions (EC1 plus).
- › Classification **CG2WA** according to the European Norm **EN 13888**.

## USE

- › Grouting of tiles with joint sized from 0 and 6 mm.
- › Grouting of natural stones, not absorbent and not subject to efflorescence.
- › When higher flexibility and water-proofing are required, it is recommended to mix FUGAMAGICA ZEROSEI MATERIA with the latex IMPER 21 replacing the water completely.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fine powder
Colours	see colour table
Storage (5 kg bag)	24 months in the original packaging and in a dry place
Storage (25 kg bag)	12 months in the original packaging and in a dry place
Mixing ratio	1.3 - 1.4 l of water every 5 kg 6.5 - 7.0 l of water every 25 kg
Pot life	2 hours
Mix consistency	fluid and smooth paste
Mix volume mass	2.00 g/cm <sup>3</sup>

Mix pH	12
Application temperature	from +5°C to +35°C
Grouting: on walls	after 4 - 8 hours
on floors installed with adhesive	after 24 - 36 hours
on floors installed with grout	after 8 - 10 days
Joint cleanability with porous tiles	after 10 minutes
Joint cleanability on porcelain stoneware	after 15 minutes
Ready for traffic	after 24 hours
Resistance: to solvents and oils	good
to compression	30.0 N/mm <sup>2</sup>
to flexure	8.0 N/mm <sup>2</sup>
Water absorption	after 4 hours < 2%

# COLOUR TABLE

## FUGAMAGICA ZEROSEI MATERIA

Colours are approximate.

### LEGNO



**BETULLA**  
3RA010345A 4x5 kg box



**LARICE**  
3RA010245A 4x5 kg box



**ROVERE**  
3RA010445A 4x5 kg box



**OLMO**  
3RA010745A 4x5 kg box



**CASTAGNO**  
3RA010645A 4x5 kg box



**TEAK**  
3RA010545A 4x5 kg box



**MOGANO**  
3RA030745A 4x5 kg box



**IROKO**  
3RA010945A 4x5 kg box

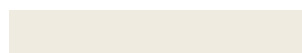


**QUERCIA**  
3RA010845A 4x5 kg box



**WENGÉ**  
3RA031845A 4x5 kg box

### COLOUR



**BURRO**  
3RA050242A 4x2 kg box



**MALDIVE**  
3RA050542A 4x2 kg box



**BERMUDA**  
3RA040642A 4x2 kg box



**CONFETTO**  
3RA050742A 4x2 kg box



**CARRIAGE**  
3RA050442A 4x2 kg box



**COLONIALE**  
3RA040842A 4x2 kg box



**CARAMEL**  
3RA030645A 4x5 kg box



**AVIO**  
3RA050842A 4x2 kg box



**UNIVERSO**  
3RA040342A 4x2 kg box



**SALVIA**  
3RA050342A 4x2 kg box

### CEMENTO



**BIANCO**  
3RA020042A 4x2 kg box  
3RA020045A 4x5 kg box  
3RA020025 25 kg bag



**CALCE**  
3RA011045A 4x5 kg box



**GHIAIA**  
3RA011145A 4x5 kg box



**GRIGIO PERLA**  
3RA020142A 4x2 kg box  
3RA020145A 4x5 kg box  
3RA020125 25 kg bag



**MANHATTAN**  
3RA020245A 4x5 kg box



**STONE**  
3RA050045A 4x5 kg box



**LONDON**  
3RA050145A 4x5 kg box



**GRIGIO**  
3RA020342A 4x2 kg box  
3RA020345A 4x5 kg box  
3RA020325 25 kg bag

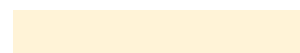


**ANTRACITE**  
3RA020545A 4x5 kg box  
3RA020525 25 kg bag



**CARBONE**  
3RA050645A 4x5 kg box

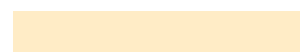
### PIETRA



**JASMINE**  
3RA030045A 4x5 kg box



**BEIGE**  
3RA030142A 4x2 kg box  
3RA030145A 4x5 kg box



**VANILLA**  
3RA030245A 4x5 kg box



**SAHARA**  
3RA030545A 4x5 kg box



**GOBI**  
3RA030345A 4x5 kg box



**ASIA**  
3RA030445A 4x5 kg box  
3RA030442A 4x2 kg box



**ROCK**  
3RA020445A 4x5 kg box



**FANGO**  
3RA020945A 4x5 kg box



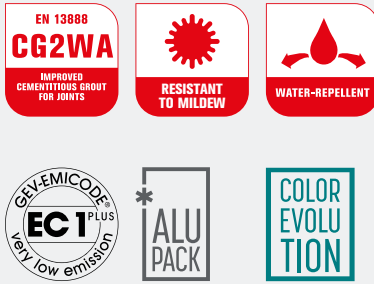
**SELCE**  
3RA021845A 4x5 kg box



**ARDESIA**  
3RA021745A 4x5 kg box

# FUGAMAGICA 3-20 BIO MATERIA TECH

Technical water-repellent cement-based sealant with coarse grain finish, for grouting 3-20 mm joints between ceramic tiles.



## COVERAGE

SEE INDICATIONS on page 55

## CODE

## COLOUR

## PACKAGE

SEE COLOUR TABLE on page 55

## PRODUCT FEATURES

- › Powder product based on cement, selected aggregates, synthetic resins, special additives and coloured pigments.
- › Anti-mildew, preventing mildew from forming on the joint surface, so that tiled surfaces are healthy and hygienic.
- › Water-repellent, contrasting the water passage, keeping substrates dry and joints cleaner.
- › UV ray-resistant, colours do not fade nor change upon exposure to the light.
- › Resistant to alkali and detergents, keeping aspect unchanged in time.
- › Easy to apply and fast to clean.
- › With very low VOC emissions (EC1 plus)
- › Classification **CG2WA** according to the norm **EN 13888**: the highest mechanical and performance features.

## USE

- › Grouting of porcelain stoneware tiles, porous ceramic tiles, natural stones with joints from 3 to 20 mm with coarse finishing.
- › Especially recommended for grouting in swimming-pools, saunas, wellness centres, bathrooms and showers.
- › For grouting outdoor floors and walls where higher waterproofing, flexibility and high mechanical resistance are required, FUGAMAGICA 3-20 BIO MATERIA TECH shall be mixed with IMPER 21 replacing the water completely.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	coarse grain powder
Colour	grigio perla / grigio / antracite / jasmine / betulla
Storage (5 kg bag)	24 months in the original packaging and in a dry place
Storage (25 kg bag)	12 months in the original packaging and in a dry place
Mixing ratio	0.8 - 1 l of water every 5 kg 4.3 - 4.8 l of water every 25 kg
Pot life	2 hours
Mix consistency	fluid paste
Mix volume mass	2.00 g/cm <sup>3</sup>

Mix pH	12
Application temperature	from +5°C to +35°C
Grouting: on walls	after 4 - 8 hours
on floors installed with adhesive	after 24 - 36 hours
on floors installed with grout	after 8 - 10 days
Ready for traffic	after 24 hours
Resistance: to humidity	good
to solvents and oils	good
to acids	poor
to temperature	from -30°C to +80°C
to compression	30.0 N/mm <sup>2</sup>
to flexure	8.0 N/mm <sup>2</sup>

# FUGAMAGICA 2-12

High performance cementitious sealant with medium grain for grouting ceramic tiles from 2 to 12 mm.



## COVERAGE

SEE INDICATIONS on page 55

## CODE

SEE COLOUR TABLE on page 55

## COLOUR

## PACKAGE

## PRODUCT FEATURES

- › Single-component cement-based powder product, selected aggregates, synthetic resins, water-repellent additives and coloured pigments.
- › Resistant to UV rays, alkalis and detergents, maintains its characteristics over time.
- › Available in different colours, it keeps its colour unchanged over time thanks to the high quality of the pigments.
- › Medium finishing.
- › High resistance to abrasion.
- › With low water absorption.
- › Classification **CG2WA** according to the European Norm **EN 13888**.

## USE

- › Grouting of any tile with joint from 2 and 12 mm with medium grain finishing.
- › Grouting of natural stones, not absorbent and not subject to efflorescence.
- › For grouting outdoor floors and walls where waterproofing and flexibility are required, FUGAMAGICA 2-12 shall be mixed with IMPER 21 replacing the water completely.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	medium grain powder
Colour	beige / bianco / grigio / grigio perla / manhattan
Storage (5 kg bag)	24 months in the original packaging and in a dry place
Storage (25 kg bag)	12 months in the original packaging and in a dry place
Mixing ratio	1.2 - 1.3 l of water every 5 kg 6.0 - 6.5 l of water every 25 kg
Pot life	2 hours
Mix consistency	fluid paste
Mix volume mass	2.00 g/cm <sup>3</sup>

Mix pH	12
Application temperature	from +5°C to +35°C
Grouting: on walls	after 4 - 8 hours
on floors installed with adhesive	after 24 - 36 hours
on floors installed with grout	after 8 - 10 days
Ready for traffic	after 24 hours
Resistance: to humidity	good
to solvents and oils	good
to acids	poor
to compression	30.0 N/mm <sup>2</sup>
to flexure	8.5 N/mm <sup>2</sup>

# FUGAMAGICA 0-4 MATERIA TECH

Technical cement-based sealant with ultra smooth finish and reduced water absorption, for grouting 0-4 mm joints between ceramic tiles.



## COVERAGE

SEE INDICATIONS on page 55

## CODE

## COLOUR

## PACKAGE

SEE COLOUR TABLE on page 55

## PRODUCT FEATURES

- › Single-component cement-based powder product, selected aggregates, synthetic resins, water-repellent additives and coloured pigments.
- › Resistant to UV rays, alkalis and detergents, maintains its characteristics over time.
- › It keeps its colour unchanged over time thanks to the high quality of the pigments.
- › Ultra smooth finishing.
- › High resistance to abrasion.
- › With low water absorption.
- › With very low VOC emissions (EC1 plus).
- › Classification **CG2WA** according to the European Norm **EN 13888**.

## USE

- › Grouting of installed tiles with joint sized from 0 and 4 mm.
- › Grouting of natural stones, not absorbent and not subject to efflorescence.
- › For grouting outdoor floors and walls where waterproofing and flexibility are required, FUGAMAGICA 0-4 MATERIA TECH shall be mixed with IMPER 21 replacing the water completely.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fine powder
Colour	bianco / grigio perla / grigio / beige / betulla
Storage	24 months in the original packaging and in a dry place
Mixing ratio	1.2 - 1.3 l of water every 5 kg 6 - 6.5 l of water every 25 kg
Pot life	2 hours
Mix consistency	fluid paste
Mix volume mass	2.00 g/cm <sup>3</sup>
Mix pH	12
Application temperature	from +5°C to +35°C
Grouting: on walls	after 4 - 8 hours

on floors installed with adhesive	after 24 - 36 hours
on floors installed with grout	after 8 - 10 days
Ready for traffic	after 24 hours
Resistance: to humidity	good
to solvents and oils	good
to acids	poor
to compression	30.0 N/mm <sup>2</sup>
to flexure	8.0 N/mm <sup>2</sup>

# COLOUR TABLE

## FUGAMAGICA 0-4 MATERIA TECH / FUGAMAGICA 2-12 FUGAMAGICA 3-20 BIO MATERIA TECH

Colours are approximate.



BIANCO



GRIGIO PERLA



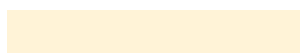
GRIGIO



BEIGE



BETULLA



JASMINE



MANHATTAN



ANTRACITE

### FUGAMAGICA 0-4 MATERIA TECH

3V00045A	Bianco	4x5 kg box
3V01045A	Grigio Perla	4x5 kg box
3V04045A	Grigio	4x5 kg box
3V07045A	Beige	4x5 kg box
3V010345A	Betulla	4x5 kg box

### FUGAMAGICA 2-12

3107045A	Beige	4x5 kg box
3100045A	White	4x5 kg box
3104045A	Grey	4x5 kg box
3104025	Grey	25 kg bag
3101045A	Grigio Perla	4x5 kg box
3101025	Grigio Perla	25 kg bag
3102045A	Manhattan	4x5 kg box

### FUGAMAGICA 3-20 BIO MATERIA TECH

3T01045A	Grigio Perla	4x5 kg box
3T01025	Grigio Perla	25 kg bag
3T04045A	Grigio	4x5 kg box
3T04025	Grey	25 kg bag
3T05045A	Antracite	4x5 kg box
3T05025	Antracite	25 kg bag
3T24045A	Jasmine	4x5 kg box
3T010345A	Betulla	4x5 kg box

## FUGAMAGICA COVERAGE

TO CALCULATE THE QUANTITY  
OF PRODUCT REQUIRED, USE  
THE ONLINE CALCULATOR





## APPLICATION CYCLE

### FLOOR INSTALLATION AND GROUTING OF CERAMIC WOOD ON CEMENTITIOUS RENDER.

#### USED ADESITAL PRODUCTS:

- › EXTRA 30
- › EXTRA 30 POWER
- › EXTRA 30 MAXI
- › ADEFLEX GREEN LIGHT
- › FUGAMAGICA ZEROSEI MATERIA

#### PRELIMINARY STEPS:

Before installing the material, check the consistency and the quality of the render as indicated in the norm UNI 11493.

After this step, choose a suitable notched trowel for applying the product.



01

Apply the correct quantity of adhesive, type **EXTRA 30**, **EXTRA 30 POWER**, **EXTRA 30 MAXI** or **ADEFLEX GREEN LIGHT** spreading it with the suitable toothed squeegee.



02

Apply the tiles and beat them with the rubber hammer to ensure perfect wetting of their back side with the adhesive.



03

Once the tiles have been applied, wait for the adhesive to cure before grouting.



04

Mix the product **FUGAMAGICA ZEROSEI MATERIA** with the correct quantity of water and apply the obtained mix with a suitable rubber squeegee. Be careful not to leave gaps and press the material well inside the joints.



05

Clean the sealant when the excess grout film on the ceramic surface starts to dry. Use a damp sponge and clean water for cleaning the joints.

# IMPER 21

Waterproofing and elasticizing additive for cementitious grouts.



## COVERAGE

depending on the sealant coverage

CODE	COLOUR	PACKAGE
088125AD	-	25 kg drum
088105AD	-	5 kg drum
088132AD	-	12x1 kg bundle

## PRODUCT FEATURES

- › Waterproofing and elasticizing liquid polymeric additive for cementitious joint grouts.
- › Used to replace the water completely, it improves the mechanical resistance, waterproofing and flexibility of FUGAMAGICA grouts for tiles.

## USE

- FUGAMAGICA coloured sealants mixed with IMPER 21
- › Grouting of floor tiles with large joints and subject to heavy traffic.
- › Grouting of ceramic tiles installed on floors and walls outdoors or in swimming-pools.
- › Grouting of tiles subject to weak chemical attack VETROSYSTEM mixed with IMPER 21
- › Outdoor application of glass bricks.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	white
Storage	24 months in the closed original packaging PROTECT AGAINST FROST
Volume mass	1.0 g/cm <sup>3</sup>
pH	10
	Mixing ratio
	100 parts of FUGAMAGICA 0- 4 MATERIA TECH every 35 parts of IMPER 21
	100 parts of FUGAMAGICA ZEROSEI MATERIA every 30 parts of IMPER 21
	100 parts of FUGAMAGICA 2- 12 every 28 parts of IMPER 21

	100 parts of FUGAMAGICA 3- 20 BIO MATERIA TECH every 20 parts of IMPER 21
Mix volume mass	1.90- 2.00 g/cm <sup>3</sup>
Mix pH	13
Pot life	2 hours
Application temperature	from +5°C to +35°C
Ready for traffic	after 24 hours
Resistance: to humidity	excellent
to temperature	excellent
to solvents and oils	excellent
Flexibility	good
Final hardening	after 14 days

# ADEPOXY MATERIA

Decorating epoxy sealant for grouting ceramic and glassy materials. Ideal for grouting mosaics.



## COVERAGE

SEE INDICATIONS on page 60

## CODE

## COLOUR

## PACKAGE

SEE COLOUR TABLE on page 60

## PRODUCT FEATURES

- › Two-component grout, easy to work and cleaned off with water alone immediately after application.
- › Resistant to chemical agents, abrasion, humidity and detergents, it maintains its colour and characteristics over time.
- › It allows to obtain a totally smooth finish with translucid chromatic effect, non-absorbing, washable with high hygienic and aesthetic characteristics.
- › It can be used even as adhesive for highly resistant mechanical and chemical bonding of ceramic and glass.
- › With very low VOC emissions (EC1 plus).
- › Classification RG according to the European Norm EN 13888.
- › Classification R2 according to the European Norm EN 12004.

## USE

- › Bonding and grouting in walls where a high decorative value with semi-transparency effect is to be achieved.
- › Rapid setting installation resistant to chemical agents of any type of ceramic tiles.
- › Decorative grouting resistant to chemical agents of ceramic tile joints in floors and walls in working areas and food laboratories.
- › Bonding and grouting in saunas, Turkish baths and swimming-pools with thermal or salty waters.
- › Bonding of tiles and mosaics in fibreglass swimming-pools and on PVC.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Comp. A	Comp. B
Colour	various	dark yellow
Volume mass	1.67 g/cm <sup>3</sup>	1.05 g/cm <sup>3</sup>
Solid residue	100%	100%
Brookfield viscosity	1,000,000 mPa.s	370,000 mPa.s
Storage	24 months in the original packaging at a temperature > +10°C	

PROTECT AGAINST FROST

## APPLICATION DATA

Mixing ratio	9	1
Mix consistency	creamy paste	
Mix volume mass	1.55 g/cm <sup>3</sup>	
Pot life	45 minutes	
Application temperature	from +12°C to +30°C	
Open time	40 minutes	
Adjustment time	60 minutes	
Ready for traffic after	24 hours	

Ready for use	4 days
Final hardening after	15 days

## FINAL PERFORMANCE

Initial adhesion	20.0 N/mm <sup>2</sup>
Adhesion after immersion in water	20.0 N/mm <sup>2</sup>
Adhesion after thermal shock	20.0 N/mm <sup>2</sup>
Resistance to compression	65.0 N/mm <sup>2</sup>
Resistance to flexure	45.0 N/mm <sup>2</sup>
Resistance to abrasion	100 (loss in mm <sup>3</sup> )
Water absorption	0.02 g
Resistance to humidity	excellent
Resistance to aging	excellent
Resistance to solvents and oils	very good
Resistance to acids and alkali	excellent
Operating temperature	from -20°C to +100°C

# ADEPOXY MATERIA TECH

Technical epoxy sealant, with medium grain finish, for grouting tiles intended for a technical use.



## COVERAGE

SEE INDICATIONS on page 60

## CODE

## COLOUR

## PACKAGE

SEE COLOUR TABLE on page 60

## PRODUCT FEATURES

- › Two-component epoxy grout, easy to clean with water alone immediately after application.
- › Resistant to chemical agents, abrasion, humidity and detergents, it maintains its colour and characteristics over time.
- › Totally smooth finish with translucid chromatic effect, non-absorbing, washable with high hygienic and aesthetic characteristics.
- › It can be used even as adhesive for highly resistant mechanical and chemical bonding of ceramic and glass.

## USE

- › Grouting in walls where a high decorative value with semi-transparency effect is to be achieved.
- › Rapid setting bonding resistant to chemical agents of any type of ceramic tiles.
- › Decorative grouting resistant to chemical agents of ceramic tile joints in floors and walls in working areas and food laboratories.
- › Bonding and grouting in saunas, Turkish baths and swimming-pools with thermal or salty waters.
- › Bonding of tiles and mosaics in fibreglass swimming-pools and on PVC.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Comp. A	Comp. B
Appearance	paste	paste
Colour	various	dark yellow
Volume mass	1.85 g/cm <sup>3</sup>	0.98 g/cm <sup>3</sup>
Solid residue	100%	100%
Brookfield viscosity	1,200,000 mPa.s	250,000 mPa.s
Storage	24 months in the original packaging at a temperature > +10°C	

PROTECT AGAINST FROST

## APPLICATION DATA

Mixing ratio	9	1
Mix consistency	creamy paste	
Pot life	45 minutes	
Mix volume mass	1.60 g/cm <sup>3</sup>	
Application temperature	from +12°C to +30°C	
Open time	30 minutes	
Adjustment time	60 minutes	

Ready for traffic	after 24 hours
Ready for use	after 4 days
Final hardening	15 days

## FINAL PERFORMANCE

Initial adhesion	2.0 N/mm <sup>2</sup>
Adhesion after immersion in water	2.0 N/mm <sup>2</sup>
Adhesion after thermal shock	2.0 N/mm <sup>2</sup>
Resistance to compression	49.0 N/mm <sup>2</sup>
Resistance to flexure	38.0 N/mm <sup>2</sup>
Resistance to abrasion	145 (loss in mm <sup>3</sup> )
Resistance to humidity	excellent
Resistance to aging	excellent
Resistance to solvents and oils	very good
Resistance to acids and alkali	excellent
Water absorption	0.05 g
Operating temperature	from -20°C to +100°C

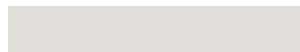
# COLOUR TABLE

## ADEPOXY MATERIA - ADEPOXY MATERIA TECH

Colours are approximate.



ANTRACITE



GRIGIO PERLA



BEIGE



BIANCO



GRIGIO



JASMINE



TEAK



WENGÉ



CARBONE



TRASLUCIDO

### ADEPOXY MATERIA

5K11403AD	Antracite	3 kg drum
5K13203AD	Beige	3 kg drum
5K79903AD	Bianco	3 kg drum
5K73803AD	Carbone	3 kg drum
5K11303AD	Grigio	3 kg drum
5K11103AD	Grigio Perla	3 kg drum
5K13003AD	Jasmine	3 kg drum
5K14203AD	Teak	3 kg drum
5K70003AD	Traslucido	3 kg drum
5K14603AD	Wengé	3 kg drum

### ADEPOXY MATERIA TECH

6311403AD	Antracite	3kg drum
6313203AD	Beige	3kg drum
6310003AD	Bianco	3kg drum
6311303AD	Grigio	3kg drum
6311103AD	Grigio perla	3 kg drum

Colours are approximate.

# ADEPOXY COVERAGE

TO CALCULATE THE QUANTITY OF PRODUCT REQUIRED, USE THE ONLINE CALCULATOR



---

## APPLICATION CYCLE

GROUTING OF A GLASSY MOSAIC IN HUMID SETTINGS WITH HEAVY TRAFFIC. FOR GROUTING CERAMIC AND GLASSY MATERIALS.

---

### USED ADESITAL PRODUCTS:

- › ADEPOXY MATERIA
- › ADEPOXY MATERIA TECH

### CAUTION:

ADEPOXY MATERIA and ADEPOXY MATERIA TECH can be cleaned after the hardening only mechanically, with severe risk for the surface of the installed material.



01

Pour the component B in the component A. The two components are already prebatched in the correct ratio to be followed also when only one part of the original package is to be used.



02

Carefully mix the two components preferably by a mechanical mixer with slow speed till getting a homogeneous colour.



03

ADEPOXY MATERIA o ADEPOXY MATERIA TECH is easily applied in the joints with stiff rubber or steel squeegee, completely filling the joint volume. Remove the excess by a stiff rubber squeegee used diagonally on the joints.



04

Cleaning must be made with the product "still wet" within 30 minutes from the application, with a sponge dampened with water, rubbing till residues are completely removed and caring not to empty the joints (replace the sponge when it is too much impregnated with resin).

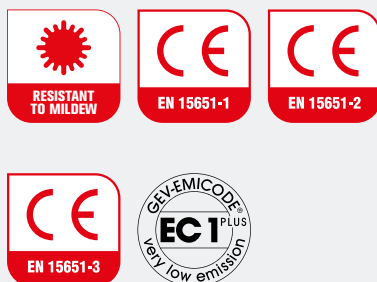


05

The part emulsified in water can be collected with a rubber rake, paying attention not to wet the joints still to be filled. Final cleaning is made with water and alcohol when hardening starts and before it is completed. Hardening starts after about 40 minutes and after 24 hours the surface is ready for traffic. A good resistance to chemicals is already achieved after 3 - 4 days.

# ADESIL MATERIA

Solvent-free silicone sealant with acetic cross-linking.



## COVERAGE

SEE INDICATIONS on page 63

## CODE

SEE COLOUR TABLE

## COLOUR

12-cartridge box, 310 ml

## PACKAGE

02

## PRODUCT FEATURES

- › Ready-for-use paste sealant based on silicone resins with acetic cross-linking, with excellent sealing capacity, elasticity and adhesiveness.
- › Resistant to the formation of mildew.
- › CE marked according to European Norms EN 15651-1, EN 15651-2, EN 15651-3.
- › With very low VOC emissions (EC1 plus).

## USE

- › Sealing of ceramic tiles and sanitaryware with colours matched to floor and wall joints not subject to strong abrasion.
- › Flexible joint sealing between glass, glass and glazed ceramic, ceramic.
- › Flexible joint sealing between glass and metal, metal and metal.
- › The surfaces to be treated must be perfectly clean, dry and degreased. It is applied exclusively by the suitable gun.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick paste
Colours	see colour table
Storage	24 months in the original packaging and in a dry place
Application temperature	from -10°C to +40°C
Workability time	10 minutes outdoors
Hardening	1 week with thickness 4 mm 1 week with thickness 10 mm
Volume mass	1.03 g/cm <sup>3</sup>
Shrinkage	-3.5%
Elongation	800%
Shore-A hardness	20

# COLOUR TABLE

## ADESIL MATERIA

Colours are approximate.

 ANTRACITE 3BV011442	 <b>NEW</b> ARDESIA 3BV011942	 <b>NEW</b> ASIA 3BV013342	 BETULLA 3BV013242	 BIANCO 3BV010042	 <b>NEW</b> BURRO 3BV013742
 CAMEL 3BV013942	 <b>NEW</b> CARBONE 3BV012042	 CASTAGNO 3BV013542	 <b>NEW</b> GHIAIA 3BV010342	 GRIGIO 3BV011342	 <b>NEW</b> GRIGIO PERLA 3BV011142
 <b>NEW</b> JASMINE 3BV013042	 LARICE 3BV013842	 <b>NEW</b> LONDON 3BV011242	 MANHATTAN 3BV011042	 MOGANO 3BV014342	 OLMO 3BV013442
 QUERCIA 3BV013642	 <b>NEW</b> SELCE 3BV017442	 TEAK 3BV014242	 TRASLUCIDO 3BV99942	 VANILLA 3BV013142	 <b>NEW</b> WENGÉ 3BV014442

02

## ADESIL COVERAGE

TO CALCULATE THE QUANTITY OF  
PRODUCT REQUIRED, USE THE  
ONLINE CALCULATOR





# ADESIL P MATERIA TECH



Rapid solvent-free polyurethane adhesive and sealant, paintable.

Certified according to the norms EN 15651-1 and EN 15651-4.



## COVERAGE

SEE INDICATIONS on page 63

CODE	COLOUR	PACKAGE
6PG00043AD	White	12-cartridge box, 300 ml
6PG011143AD	Grigio Perla	12-cartridge box, 300 ml
6PG011343AD	Grey	12-cartridge box, 300 ml
6PG012043AD	Black	12-cartridge box, 300 ml

02

## PRODUCT FEATURES

- › Polyurethane-based adhesive and sealant
- › Its thixotropy, great durability and high elastic module make it the ideal product for sealing expansion and fractioning joints on difficult surfaces, both horizontal and vertical.
- › Ready-to-use, it can be painted when properly cured.
- › As adhesive, it is suitable for applications on the most common building materials, both indoors and outdoors, and it has a low environmental impact being solvent-free.

## USE

- › Sealing of industrial, warehouse and shopping center flooring or concrete flooring in indoor and outdoor car parks.
- › Sealing of flooring subject to heavy loads such as heavy vehicles and forklifts.
- › Indoor and outdoor sealing where a high-strength thixotropic product is required.
- › Sealing of pipes, sheet metal and joints in general.
- › Bonding of stoneware, klinker and ceramics in general, bricks, foam concrete, gypsum, cement and derivatives.
- › Bonding of metals such as steel, copper, aluminium and difficult materials such as glass, mirrors, wood and pre-painted surfaces.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thixotropic paste
Colour	bianco, grigio perla, grigio, nero
Storage 12 months	(in the original packaging and in a dry place)
Volume mass	1.39 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Final hardening	24 hours: thickness 3.3 mm 48 hours: thickness 5.2 mm 7 days: thickness 8.5 mm
Adjustment time	6 minutes

## FINAL PERFORMANCE

Elastic module	0.7 N/mm <sup>2</sup>
Shore-A hardness	40
Tensile strength	3.8 N/mm <sup>2</sup>
Ultimate elongation	700%
Allowed operating elongation	20%
Resistance to UV rays	excellent

# ADESIL P SCHIUMA



Self-expanding polyurethane foam for filling and thermo-acoustic insulation.



## COVERAGE

depending on the filling dimensions

## CODE

0641342

## COLOUR

Yellow

## PACKAGE

12-can

Can, 750 ml

## PRODUCT FEATURES

- › Self-expanding, single-component polyurethane foam totally CFC-free and therefore not ozone depleting.
- › It expands quickly and hardens in a short time, creating a stable structure with excellent mechanical properties.
- › The closed-cell structure of the hardened product has high thermal and acoustic insulation properties.
- › After hardening it can be cut, polished, drilled and shaped as required.

## USE

- › Sealing, filling and insulating gaps and interruptions in numerous construction details.
- › Filling frame-counterframe-wall interstices when installing doors, shutter boxes, windows and doors in general.
- › Completing construction details of roofs and roofing, gaps between different materials.
- › Insulating cracks and construction details in over-coated insulation or elements of air conditioning, plumbing or refrigeration systems.
- › Tight sealing of forms for fluid concrete casting.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	creamy
Colour	yellow
Volume mass	22 kg/m <sup>3</sup>
Storage	18 months (in original packaging kept upright, in a protected and dry place, at a temperature between +10°C and +25°C)
Application temperature	from +5°C to +30°C
Ideal package temperature	from +20°C to +25°C
Min. time for cutting hardened foam (φ 20 mm at +20°C and 60% R.H.)	25 – 30 minutes
Flammability class	B3

## FINAL PERFORMANCE

Operating temperature	from -40°C to +90°C
Complete hardening time	1.5 - 5 hours
Free expansion	30 l
Resistance to compression	4.5 N/ cm <sup>2</sup>
Tensile strength	7.5 N/cm <sup>2</sup>
Ultimate elongation	25%
Shrinkage	1%
Water absorption after 24 hours	1%
Thermal conductivity	0.039 W/m*K
Sound insulation	58 dB

# SILFLEX P

Pourable polyurethane sealant for expansion joints.



## COVERAGE

SEE INDICATIONS on page 63

## CODE

6PN011305AD

## COLOUR

Grigio scuro

## PACKAGE

5 kg drum

## PRODUCT FEATURES

- › Two-component polyurethane sealant, self-levelling and easy to apply with excellent flexibility.
- › After the hardening it becomes an elastic rubber, water and heat resistant with excellent mechanical resistance features.
- › Ideal for sealing flexible joints in industrial floors and car parks.
- › For indoor and outdoor use.

## USE

- › Sealing of sectioning joints in concrete floors, car parks and industrial buildings, requiring a high resistance to heavy traffic and to chemicals.
- › Sealing of flexible joints in ceramic floors subject to heavy traffic, such as malls, sidewalks, squares, etc.
- › Waterproof membrane for floors of bathrooms and showers to be ceramic tiled.
- › Waterproof and vapour-proof flexible membrane, ready for traffic, for floors and surfaces subject steadily to water.



TO CALCULATE THE QUANTITY OF PRODUCT REQUIRED, USE THE ONLINE CALCULATOR

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Component A	Component B
Appearance	thick paste	liquid fluid
Colour	grigio paglierino	transparent
Volume mass	1.5 g/cm <sup>3</sup>	0.92 g/cm <sup>3</sup>
Mixing ratio	47	3
Storage	24 months in the original packaging in a dry place	
Pot life	40 - 45 minutes	
Mix consistency	pouring liquid	
Brookfield viscosity	20,000 mPa.s	
Mix volume mass	1.48 g/cm <sup>3</sup>	
Application temperature	10°C ÷ 30°C	
Initial setting time	8 hours	

Final setting time	9 hours
Ready for traffic	after 24 - 36 hours
Final hardening	after 3 days

## FINAL PERFORMANCE

Shore-A hardness	65
Tensile strength	2.2 N/mm <sup>2</sup>
Operating elongation	max. 5%
Ultimate elongation	180%
Deformability	excellent
Resistance: to abrasion and humidity	excellent
to aging	excellent
to solvents and oils	good
to acids and alkali	good

# SP 308

Neutral silicone sealant.



## COVERAGE

SEE INDICATIONS on page 63

## CODE

5811242AD

## COLOUR

Grey

## PACKAGE

12-cartridge

box, 310 ml

## PRODUCT FEATURES

- › Ready-for-use cartridge sealant based on silicone resins with neutral cross-linking, with excellent sealing capacity and deformability.
- › CE marked according to European Norms EN 15651-1, EN 15651-2, EN 15651-3, EN 15651-4.
- › With very low VOC emissions (EC1 plus).

## USE

- › Sealing of frames in buildings.
- › Flexible expansion joints in floors and walls on cementitious substrates.
- › Sealing of joints in façades of buildings, prefabricated panels, sills, roofs, ventilation pits.

TO CALCULATE THE QUANTITY OF PRODUCT REQUIRED, USE THE ONLINE CALCULATOR



## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick paste
Colour	grey
Storage	18 months in the original packaging in a dry place
Volume mass	1.02 g/cm <sup>3</sup>
Application temperature	from +5°C to +40°C
Workability time	15 minutes outdoors
Final hardening	1 week with thickness 4 mm 1 week with thickness 10 mm
Elongation	250%
Shore - A hardness	21

# VETROSYSTEM

Self-grouting adhesive for the installation and simultaneous grouting of glass bricks.



## COVERAGE


## CODE


## COLOUR

## PACKAGE

02

### PRODUCT FEATURES

- › Single-component powder product based on special cements, selected graded quartz, synthetic resins and additives.
- › Specific for the installation of glass blocks.

### USE

- › Indoor installation of glass bricks to form vertical walls.
- › For the outdoor installation, mix VETROSYSTEM with the latex IMPER 21 replacing the water completely.

### TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Storage	24 months in the original packaging and in a dry place
Mixing ratio	1.2 l of water every 5 kg
Pot life	45 minutes
Mix consistency	thick paste
Mix volume mass	1.4 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Adjustment time	40 minutes
Final hardening	after 14 days

### FINAL PERFORMANCE

Resistance: to compression	13.0 N/mm <sup>2</sup>
to flexure	6.5 N/mm <sup>2</sup>
to humidity	excellent

# ADESIT CLEAN

Acid de-fouling cleaner.



## COVERAGE

strictly depends on the toughness

## CODE

1150405AD

## COLOUR

-

## PACKAGE

5 l drum

1150431AD

10-bottle box, 1 l

## PRODUCT FEATURES

- › Acid cleaner for ceramic tiles.
- › Recommended for removing efflorescence, residues of lime, adhesives, cement, etc. on ceramic and terracotta floors.
- › Do not use on marbles, calcareous stones and polished floors.

## USE

- › Cleaning traces of cement, lime, adhesives, efflorescence, residues of cement-based grouts from the surfaces of ceramic tiles and glassy mosaics on floors and walls.
- › Cleaning terracotta before the final surface treatment.
- › Note: before the application make sure the surfaces to be cleaned are acid-resistant.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	transparent
Storage	24 months in the original packaging
Volume mass	1.10 g/cm <sup>3</sup>
pH	1.1

## APPLICATION DATA

Min. application temperature	from +3°C to +40°C
Waiting time before rinsing	5 minutes



# FACADE RESTORATION

03

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# ADEGROUT MAXI

Coarse anti-shrinkage fibre-reinforced thixotropic grout with standard setting for the restoration of concrete.



## COVERAGE

19 kg/m<sup>2</sup> every cm of thickness

## CODE

137125AD

## COLOUR

Grey

## PACKAGE

25 kg bag

03

## PRODUCT FEATURES

- › Single-component, anti-shrinkage, fibre-reinforced cementitious grout for structural repairs.
- › High mechanical characteristics comparable to those of high quality concrete.
- › Excellent workability, adhesion and thixotropy.
- › Thickness from 10 to 40 cm each coat, for max. two applications.
- › Suitable for structural repairs where a high performance thixotropic grout is required.
- › Classification R4-PCC according to the European Norm EN 1504-3.

## USE

- › Structural repair of deteriorated horizontal and vertical concrete bearing elements.
- › Cortical restoration of pillars, balcony sills, floors.
- › Rebuilding of iron covering layer on reinforced concrete structures.
- › Filling of rigid joints between concrete elements.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Grain size	2.5 mm
Mixing ratio	3.8 - 4.1 l of water every 25 kg
Pot life	60 minutes
Waiting time between coats	max. 4 hours
Coat thickness	40 mm
Min. thickness	10 mm
Applicability	excellent
Workability	excellent
Application temperature	from +5°C to +35°C

## FINAL PERFORMANCE

Adhesion on concrete (28 days)	> 2.0 N/mm <sup>2</sup>
Resistance to compression (28 days)	> 60.0 N/mm <sup>2</sup>
Resistance to flexure (28 days)	> 8.5 N/mm <sup>2</sup>

# ADEGROUT FLUIDO

Fluid anti-shrinkage fibre-reinforced grout for the structural restoration of concrete.



## COVERAGE

21 kg/m<sup>2</sup> every cm of thickness

## CODE

137525AD

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component fibre-reinforced grout based on special cements, selected aggregates, resins, fluidizing and anti-shrinkage additives.
- › High mechanical performance and high resistance to carbonation.
- › High fluidity without segregation, suitable for restoring and reinforcing reinforced concrete even with complex geometry, by pouring in forms.
- › With very good compacting in the forms even without vibration.
- › Thickness up to 4 cm; for higher thickness, it is recommended to add grain size aggregates suitable for the relevant intervention, in a percentage from 30% to 50% of the product weight and with insertion of suitable reinforcement at half the thickness connected to the existing old reinforcement.
- › Classification R4-CC according to the European Norm EN 1504-3.

## USE

- › Restoration of cement and reinforced concrete structures where a pourable grout is recommended because of complex geometry.
- › Section increases in bearing structures.
- › Structural restoration of horizontal and vertical concrete surfaces.
- › Re-building of the useful layer on old slabs after removing deteriorated parts.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Grain size	2.5 mm
Mixing ratio	3.3 - 3.5 l of water every 25 kg
Mix consistency	fluid
Pot life	60 minutes
Max. coat thickness	4 cm
Grout fluidity value (EN 13395-2)	> 45 cm
Mix volume mass	2.35 g/cm <sup>3</sup>
Application temperature	from +8°C to +35°C

## FINAL PERFORMANCE

Adhesion on concrete after 28 days	> 2.0 N/mm <sup>2</sup>
Resistance to compression:	
after 1 day	30.0 N/mm <sup>2</sup>
after 28 day	75.0 N/mm <sup>2</sup>
Resistance to flexure:	
after 1 day	6.0 N/mm <sup>2</sup>
after 28 day	12.0 N/mm <sup>2</sup>

## APPLICATION CYCLE

### MECHANICAL REINFORCEMENT OF A PILLAR. FOR REINFORCED CONCRETE WALLS.

#### USED ADESITAL PRODUCTS:

- › ADEFER
- › ADEGROUT FLUIDO



**01**  
Removal of deteriorated parts.



**02**  
Iron preparation.



**03**  
ADEFER application.



**04**  
Form positioning and substrate wetting.



**05**  
Pouring of the **ADEGROUT FLUIDO**  
grout in the form.



**06**  
Form removal.

# ADEGROUT TISSOTROPICO

Fine anti-shrinkage fibre-reinforced thixotropic grout with standard setting for the cortical restoration of concrete.



## COVERAGE

19 kg/m<sup>2</sup> every cm of thickness

## CODE

2911025

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component, anti-shrinkage, fibre-reinforced cementitious grout for structural and cortical repairs.
- › Excellent workability, thixotropy and adhesiveness on the suitably prepared old concrete.
- › Thickness from 10 to 40 mm each coat, for max. two applications.
- › It can be directly float-finished for a white coat finishing.
- › Suitable for most structural and cortical restoration operations.
- › Classification R3-CC according to the European Norm EN 1504-3.

## USE

- › Restoration of deteriorated horizontal and vertical concrete structures.
- › Cortical restoration of pillars, beams, balcony sills, floors, steps, string-course bands.
- › Patches of cement floors.
- › Filling of rigid joints between concrete elements.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Grain size	1 mm
Mixing ratio	4.9 - 5.1 l of water every 25 kg
Pot life	60 minutes
Mix consistency	plastic-thixotropic
Mix volume mass	2.0 g/cm <sup>3</sup>
Mix pH	> 12
Waiting time between coats	max. 3 hours
Coat thickness	40 mm
Min. thickness	5 mm

Workability

excellent

Application temperature

from +5°C to +35°C

## FINAL PERFORMANCE

Adhesion on concrete (28 days)	> 1.0 N/mm <sup>2</sup>
Resistance to compression (28 days)	40.0 N/mm <sup>2</sup>
Resistance to flexure (28 days)	> 7.0 N/mm <sup>2</sup>

# ADEGROUT R6

Rapid thixotropic grout for the cortical restoration and levelling of concrete.



## COVERAGE

18.5 kg/m<sup>2</sup> every cm of thickness

## CODE

2968025

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Rapid setting single-component cementitious grout based on special cements, selected fine grain aggregates, resins and anti-shrinkage additives.
- › It is featured by an excellent application and thixotropy.
- › Thickness from 2 mm up to 40 cm, to be directly levelled with white coat finishing degree.
- › Suitable for structural and cortical repairs where a rapid setting grout is required.
- › Classification R3-CC according to the European Norm EN 1504-3.

## USE

- › Rapid surface restoration of beams, pillars, curtain panels in concrete.
- › Cortical restoration of risers of cornices, balconies, string-course bands.
- › Levelling of small surfaces with white coat finishing.
- › Rapid anchoring of traps, grates, etc.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Grain size	1 mm
Mixing ratio	3.8 - 4.0 l of water every 25 kg
Pot life	10 minutes
Mix consistency	plastic-thixotropic
Mix volume mass	2.1 g/cm <sup>3</sup>
Mix pH	> 12
Coat thickness	4 cm
Min. thickness	2 mm
Workability	excellent
Application temperature	from +5°C to +35°C
Setting time at 23°C	start 10 minutes - end 15 minutes
Setting time at 5°C	start 15 minutes - end 25 minutes
Waiting time for the painting	4 hours
Waiting time before the installation	10 hours

## FINAL PERFORMANCE

Adhesion on concrete:	
after 7 days	> 1.0 N/mm <sup>2</sup>
after 28 days	> 1.0 N/mm <sup>2</sup>
Resistance to compression:	
after 3 days	> 12.0 N/mm <sup>2</sup>
after 24 days	> 18.0 N/mm <sup>2</sup>
after 7 days	> 35.0 N/mm <sup>2</sup>
after 28 days	> 45.0 N/mm <sup>2</sup>
Resistance to flexure:	
after 3 days	> 3.0 N/mm <sup>2</sup>
after 24 days	> 4.0 N/mm <sup>2</sup>
after 7 days	> 5.0 N/mm <sup>2</sup>
after 28 days	> 7.0 N/mm <sup>2</sup>
Dynamic elastic module	24,000 - 28,000 N/mm <sup>2</sup>

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## APPLICATION CYCLE

### RESTORATION OF DETERIORATED AND REINFORCED CONCRETE ON A RISER.

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#### USED ADESITAL PRODUCTS:

- › ADEFER
- › ADEGROUT MAXI
- › ADEGROUT TISSOTROPICO
- › ADEGROUT R6
- › ADEPLAN RD 100
- › ADEPLAN RD 80



01

Carefully clean the reinforcing irons removing every trace of rust and all loose parts.



02

Apply by brush an even coat of anti-corrosive grout **ADEFER**.



03

Wet the substrate and apply the restoration grout **ADEGROUT TISSOTROPICO**, **ADEGROUT R6** or **ADEGROUT MAXI**, without leaving gaps.



04

Level the applied grout by float finishing.



05

To smooth and protect the surface, level with **ADEPLAN RD 80** or **RD 100**.



06

In hot climates, keep the finished surface wet for a few days.

# ADEGROUT MONOSTRATO

Single-layer cementitious grout for the final restoration and levelling of concrete in one single passage.

Fibre-reinforced, thixotropic, with rapid setting and very low emission of volatile organic compounds (EC1 plus).



## COVERAGE

15 kg/m<sup>2</sup> every cm of thickness

## CODE

265325AD

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component, rapid setting fibre-reinforced cementitious grout based on special cements, selected fine grain aggregates, resins and anti-shrinkage additives.
- › The mix is featured by an excellent workability and thixotropy for the final repair and levelling in one single passage, with white coat finishing.
- › It enables thickness coats from 3 mm to 40 mm.
- › Ideal for rapid repair and levelling of concrete.
- › With very low VOC emissions (EC1 plus).
- › Classification R2-PCC according to the European Norm EN 1504-3 and MC-IR according to the European Norm EN 1504-2.

## USE

- › Rapid surface restoration of edges in beams, pillars, curtain panels in concrete.
- › Repair and levelling of risers of cornices, balconies, under-balconies and string-course bands.
- › Rapid setting levelling of small surfaces.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Volume mass	1.2 g/cm <sup>3</sup>
Grain size	> 0.4 mm
Solid residue	100%
Storage	12 months in the original packaging and in a dry place
Safety	please check the information on the package and on the safety sheet.

Mix volume mass	1.8 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Pot life	15 minutes
Coat thickness	40 mm
Min. thickness	3 mm
Applicability	excellent
Workability	excellent
Setting time +23°C	start 15 minutes - end 30 minutes

## APPLICATION DATA:

Mixing ratio	4.3 - 4.8 l of water every 25 kg
Mix consistency	plastic-thixotropic-spreadable
Mix pH	12

## FINAL PERFORMANCE

Adhesion on concrete after 28 days	≥ 1.5 N/mm <sup>2</sup>
Measured thermal compatibility as for adhesion, with frost-thaw cycles	≥ 1.5 N/mm <sup>2</sup>

# ADEGROUT TRAFFIC

Fluid anti-shrinkage grout with rapid setting for restoring industrial concrete floors, fixing road traps and street furniture.



## COVERAGE

1.8 kg/m<sup>2</sup> every mm of thickness

## CODE

265525AD

## COLOUR

Beige

## PACKAGE

25 kg bag

265625AD

Black

25 kg bag

## PRODUCT FEATURES

- › Single-component, rapid setting, anti-shrinkage grout based on special hydraulic binders, high resistance cements, selected aggregates and special additives.
- › Excellent fluidity, suitable for the restoration of severely deteriorated concrete, industrial floors and for the fixing of pits and street furniture by pouring.
- › Thickness up to 5 cm; for higher thickness, it is recommended to add gravel 6 - 10, in max. 40%.
- › Classification **R4 CC** according to the European Norm **EN 1504-3**.
- › It is conform to the European Norm **EN 1504-9**.

## USE

- › Structural restoration of severely deteriorated concrete by pouring.
- › Rapid restoration of industrial floors in concrete.
- › Rapid restoration of roads and airport floors.
- › Repair of street sidewalks.
- › Fixing of road traps and pits.
- › Fixing of fences, signs and street furniture.
- › Bonding of bumpers and protective barriers.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	beige and black
Storage	12 months in the original packaging and in a dry place
Grain size	2.5 mm
Mixing ratio	3.0 - 3.25 l of water every 25 kg
Pot life	15 minutes
Mix consistency	fluid
Mix volume mass	2.3 g/cm <sup>3</sup>
Mix pH	> 12
Coat thickness	50 mm
Application temperature	from +5°C to +35°C
Setting time	+20°C start 15 minutes – end 35 minutes +5°C start 60 minutes – end 100 minutes

## FINAL PERFORMANCE

Adhesion on concrete (after 28 days)	> 2.0 N/mm <sup>2</sup>
Resistance to compression:	
after 4 hours	> 20.0 N/mm <sup>2</sup>
after 7 days	> 40.0 N/mm <sup>2</sup>
after 28 days	> 50.0 N/mm <sup>2</sup>
Resistance to flexure (after 28 days)	> 8.0 N/mm <sup>2</sup>



## APPLICATION CYCLE

### RESTORATION OF A DETERIORATED INDUSTRIAL FLOOR WITH ADEGROUT TRAFFIC.

#### USED ADESITAL PRODUCTS:

- › ADEGROUT TRAFFIC



**01**  
Damaged industrial floor that requires a rapid restoration with high strength.



**02**  
Mechanical removal of deteriorated concrete, oils, waxes and anything that may compromise product adhesion. Carry out these operations until you reach the substrate which is sound and with a rough surface.



**03**  
Careful removal of waste materials, vacuuming of dust and residues. It is important to work on a sound and perfectly prepared substrate, free of contaminants and materials from previous processes.



**04**  
Saturation of the substrate with water, and possible removal of stagnating excess water.



**05**  
Application by pouring of **ADEGROUT TRAFFIC** in the area to be restored, taking care not to incorporate air into the mix.



**06**  
The high performance of **ADEGROUT TRAFFIC** and the rapid setting of the product allow rapid intervention on very stressed floors.

# ADEGROUT ANCORAGGI

Expansion grout for anchorages.



## COVERAGE

1.9 kg/dm<sup>3</sup>

## CODE

150125AD

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component expansion grout for anchorages.
- › High smoothness and homogeneousness.
- › Excellent expansiveness.
- › High mechanical performance in short times.

## USE

- › Bonding of machine tools by pouring.
- › Bonding of brackets, bolts and metal structures.
- › Filling of rigid joints between concrete elements.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Grain size	2.5 mm
Mixing ratio	3.5 - 3.8 l of water every 25 kg
Mix consistency	fluid
Pot life	60 minutes
Mix volume mass	2.3 g/cm <sup>3</sup>
Application temperature	from 5°C to +35°C

## FINAL PERFORMANCE

Resistance to compression:	
after 1 day	32.0 N/mm <sup>2</sup>
after 28 day	70.0 N/mm <sup>2</sup>
Resistance to flexure:	
after 1 day	5.0 N/mm <sup>2</sup>
after 28 day	9.0 N/mm <sup>2</sup>
Free expansion in plastic phase	> 0.3%
Secant compression elastic module to compression after 28 days	25000 N/mm <sup>2</sup>

# ADEGROUT 300 RAPIDO

Fibre-reinforced cementitious grout, easy to spread and with rapid setting, for levelling 3÷30 mm thick horizontal and vertical surfaces, indoors and outdoors.



## COVERAGE

1.4 kg/m<sup>2</sup> every mm of thickness

## CODE

2235525

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component, anti-shrinkage fibre-reinforced grout based on special cements, selected aggregates and resins.
- › It is featured by an excellent workability and adhesiveness on all substrates normally available in the building sector.
- › For thickness from 3 to 30 mm in a single coat; it hardens rapidly and enables to install waterproofing materials and ceramic or stone cladding in short times.
- › With very low VOC emissions (EC1 plus).
- › Classification GP-CSIV according to the European Norm EN 998-1 and MC-IR according to the European Norm EN 1504-2.

## USE

- › Restoration and evening of slopes on terraces and balconies.
- › Evening of reinforced concrete surfaces in swimming-pools to make them suitable for the waterproofing with ADEPROOF membranes and the following installation of ceramic tiles and mosaic.
- › Levelling of concrete slabs indoors and outdoors.
- › Levelling of cementitious screeds or screeds based on special binders (STARCEM, STARCEM PRONTO 2.0).
- › Levelling of old floors before the installation of ceramic tiles, terrazzo tiles or non-absorbent stone material (after application of ADEGRIP ECO).
- › Levelling of old floors before the application of waterproofing systems with ADEPROOF membranes (after application of ADEGRIP ECO).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4.5 - 5 l of water every 25 kg
Mix consistency	plastic-thixotropic
Pot life	20 minutes
Coat max. thickness	30 mm
Min. thickness	3 mm
Mix volume mass	1.75 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Applicability	excellent
Workability	excellent

## FINAL PERFORMANCE ACCORDING TO EN 1504-2

Resistance to compression	> 20 N/mm <sup>2</sup>
Adhesion on concrete	> 2 N/mm <sup>2</sup>
Water permeability coefficient	W < 0.1 Class III (low permeability)
Water vapour permeability	So < 5 m Class I

## FINAL PERFORMANCE ACCORDING TO EN 998-1

Resistance to compression	> 20 N/mm <sup>2</sup>
Adhesion on bricks	> 1.5 MPa FP-B
Water absorption	< 0.20 W2
Thermal conductivity (λ)	0.85

# TURBOCEM

Ultrarapid setting grout for anchorages.



## COVERAGE

about 2 kg/m<sup>2</sup> for 1-l volume cavity

## CODE

2956045A

## COLOUR

Grey

## PACKAGE

4x5 kg box

2956025

Grey

25 kg bag

## PRODUCT FEATURES

- › Single-component grout composed of highly resistant cements, selected aggregates and additives.
- › With ultrarapid setting and no shrinkage.
- › It obtains high mechanical resistance in a few minutes after the application.
- › Suitable for the fast bonding of electric and architectural elements and others.

## USE

- › Very rapid anchoring of reinforced doors and frames.
- › Installation of junction boxes and raceways.
- › Rapid preparation of frames and grates.
- › Minor water infiltration removal.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging in a dry place
Mixing ratio	4.8 - 5 l of water every 25 kg
Mix consistency	plastic
Mix volume mass	2 g/cm <sup>3</sup>
pH	12
Application temperature	from +5°C to +35°C
Setting time	2 - 4 minutes
Workability time	1 - 2 minutes at +20°C

## FINAL PERFORMANCE

Resistance to compression:

after 20 minutes	8.0 N/mm <sup>2</sup>
after 3 hours	16.0 N/mm <sup>2</sup>
after 24 hours	20.0 N/mm <sup>2</sup>
after 3 days	25.0 N/mm <sup>2</sup>
after 7 days	35.0 N/mm <sup>2</sup>
after 28 days	40.0 N/mm <sup>2</sup>

Resistance to flexure:

after 20 minutes	2.0 N/mm <sup>2</sup>
after 3 hours	4.0 N/mm <sup>2</sup>
after 24 hours	5.5 N/mm <sup>2</sup>
after 3 days	6.5 N/mm <sup>2</sup>
after 7 days	7.0 N/mm <sup>2</sup>
after 28 days	8.0 N/mm <sup>2</sup>

# ADEFER

Anti-corrosive cementitious grout for reinforcing irons.



## COVERAGE

100 g/m

## CODE

276645AD

## COLOUR

Blue

## PACKAGE

4x5 kg box

03

## PRODUCT FEATURES

- › SINGLE-COMPONENT system based on modified cementitious binders with passivating agents and synthetic resins, to be applied on reinforcing irons to prevent rust.
- › It protects the reinforcing irons from corrosion in the concrete restoration processes with ADEGROUT anti-shrinkage grouts.
- › It is conform to the European Norm EN 1504-7.

## USE

- › Protection from corrosion of reinforcing irons in concrete.
- › Adhesion promoter for restoration grouts, both on reinforcing irons and on substrate concrete.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	blue
Storage	12 months in the original packaging and in a dry place
Mixing ratio	1.0 - 1.1 l of water every 5 kg
Pot life	60 minutes
Mix pH	> 12
Application temperature	from +5°C to +35°C
Surface drying time	120 minutes
Waiting time for application	4 - 5 hours
Waiting time for the second coat	1 - 2 hours

# LATEX G 100

Synthetic rubber latex in water dispersion for cementitious mixes.



CODE	COLOUR	PACKAGE
037105AD	-	5 kg drum
037125AD	-	25 kg drum

## PRODUCT FEATURES

- › Synthetic rubber latex in water dispersion to improve cementitious mixes.
- › It improves the adhesion on smooth and non-absorbing concrete surface, resistance to abrasion and flexure.
- › It improves waterproofing and resistance to frost-thaw cycles.
- › It increases the chemical resistance to diluted alkali and acids, to saline solutions and oils.

## USE

- › Realization of indoor and outdoor highly resistant cementitious screeds.
- › Highly resistant and bonding cementitious renders and levelling grouts.
- › Highly adhesive cementitious slurries for bonding cementitious screeds.
- › Cementitious grouts for finishing surfaces subject to heavy abrasion (industrial floors, ramps, channels).

TECHNICAL DATA		(at +23°C and 50% R.H.)
Appearance		liquid
Colour		white
Storage	24 months in the closed original packaging	PROTECT AGAINST FROST
Volume mass		1.02 g/cm <sup>3</sup>
pH		10
Solid residue		40%
Brookfield viscosity		40 mPa.s
Application temperature		from +5°C to +35°C
Final hardening		depending on the grout it is mixed with

## FINAL PERFORMANCE

in normalized grout as follows:

Portland cement 32.5	450 g
Normalized sand	1350 g
Water	90 g

LATEX G 100	120 g
Mix volume mass	2.21 g/cm <sup>3</sup>
Trapped air	8%
Resistance to compression:	
after 7 days	24.5 N/mm <sup>2</sup>
after 28 days	35.5 N/mm <sup>2</sup>
Resistance to flexure: after 7 days	6.0 N/mm <sup>2</sup>
after 28 days	8.0 N/mm <sup>2</sup>
Adhesion on substrate:	
after 28 days	2.6 N/mm <sup>2</sup>
after 7 days + 21 in water	3.0 N/mm <sup>2</sup>
after 7 days+ 14 at 60°C	2.6 N/mm <sup>2</sup>
Compression elastic module	18,500 N/mm <sup>2</sup>
Resistance:	
to humidity	excellent
to aging	excellent
to acids and alkali	fair



# DE-HUMIDIFYING AND RESTORATION

04

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# ADESAN MONO LIGHT



Lightened cementitious render that combines the functions of a rendering and dehumidifying render in a single layer. Very low VOC emissions (EC1 plus).



## COVERAGE

11- 12 kg/m<sup>2</sup> every cm of thickness

## CODE

2915125

## COLOUR

Grey

## PACKAGE

20 kg bag

04

## PRODUCT FEATURES

- › Pre-mixed grout based on hydraulic binders with pozzolana reaction, light aggregates and special additives, able to create a macro-porous dehumidifying plaster in a single application and resist to soluble salts.
- › In just one layer it is able to solve the problem of rising damp in masonry.
- › It has very similar characteristics in terms of mechanical strength, elastic module and porosity to lime, lime-pozzolana or hydraulic lime-based grouts used in the construction of buildings, including those of historical interest.
- › The excellent workability of the product allows it to be applied both by hand and machine on different types of substrate.
- › Classification R CSII according to the European Norm EN 998-1.
- › Very low VOC emissions (class EC1 plus).

## USE

- › Restoration of indoor and outdoor brick, stone, tuff or mixed walls affected by rising damp and/or saline efflorescence.
- › Recovery of walls degraded by saline efflorescence near lakes or sea.
- › Sealing of joints between stones, bricks and tuff on external façade walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	Light grey
Powder volume mass	1.2 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)

## APPLICATION DATA

Mixing ratio	4.4 - 4.8 l of water every 20 kg bag
Pot life	50-60 minutes
Application temperature	from +5°C to +35°C
Porosity of grout when fresh (EN 1015- 7)	> 20%
Min. thickness	20 mm

Max. thickness	30 mm
Max. aggregate size (EN 1015-1)	2.5 mm

## FINAL PERFORMANCE

Resistance to compression after 28 days (EN 1015- 11)	> 2.0 N/mm <sup>2</sup>
Adhesion on substrate (EN 1015-12)	≥ 0.30 N/mm <sup>2</sup> (FP)=B
Water absorption by capillarity (EN 1015-18)	3.0 kg/m <sup>2</sup>
Vapour permeability coefficient (EN 1015- 19)	< 10 (μ)
Thermal conductivity (λ10 dry) (EN 1745)	0.35 W/m*K
Fire reaction	A1
Reaction to sulphates	Excellent
Saline efflorescence	None

# ADESAN RINZAFFO

Premixed rendering grout, transpiring, improves adhesion of dehumidifying render. Resistant to salts. Very low VOC emissions (EC1 plus).



## COVERAGE

7.5-8 kg/m<sup>2</sup> every 5 mm of thickness

## CODE

1896125AD

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Pre-mixed macro-porous grout based on special binders with pozzolana reaction, light aggregates and special additives.
- › Excellent workability both by hand and by machine.
- › Excellent dehumidifying and draining capacity on rising damp.
- › Barrier effect against the saline outlet from the wall.
- › Classification **GP CSIV** according to the European Norm EN 998-1.

## USE

- › Restoration of masonry with inconsistent, very porous, mechanically weak surfaces or waterproof coatings.
- › For walls degraded by rising damp or salts.
- › Suitable for stone, brick, tuff

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	Light grey
Powder volume mass	1.00-1.10 g/cm <sup>3</sup>
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	4.75 - 5.25 l of water every 25 kg bag
Pot life	60 minutes
Application temperature	from +5°C to +35°C
Thickness to be applied	5 mm
Max. aggregate size (EN 1015-1)	2.5 mm
Fresh grout volume mass (EN 1015-6)	1800 kg/m <sup>3</sup>

## FINAL PERFORMANCE

Resistance to compression after 28 days (EN 1015- 11)	> 8.0 N/mm <sup>2</sup>
Adhesion on substrate (EN 1015-12)	≥ 0.50 N/mm <sup>2</sup> (FP)=B
Water absorption by capillarity (EN 1015-18)	≤0.4 kg/(m <sup>2</sup> min <sup>0.5</sup> )
Vapour permeability coefficient (EN 1015- 19)	< 20 (μ)
Thermal conductivity (λ10 dry) (EN 1745)	0.57 W/m*K
Fire reaction	A1
Reaction to sulphates	Excellent
Saline efflorescence	None

# ADESAN INTONACO

De-humidifying pre-mixed render to be applied by hand or by machine for restoring damp walls and rendering of new walls.



## COVERAGE

14 kg/m<sup>2</sup> every cm of thickness

## CODE

2915125

## COLOUR

Grey

## PACKAGE

25 kg bag

04

## PRODUCT FEATURES

- › Pre-mixed macro-porous grout based on selected binders, aggregates and special additives.
- › Excellent workability by machine. It can be used manually, too.
- › Excellent draining and dehumidifying capacity on rising damp.
- › Barrier effect against the saline outlet from the wall. For old and new walls.
- › Classification **R CSII** according to the European Norm EN 998-1.

## USE

- › Restoration of old walls in bricks subject to rising damp.
- › Recovery of walls deteriorated by saline efflorescence.
- › Restoration of walls in porous stones.
- › Highly transpiring substrate render for new walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Grain size	< 1mm
Storage	12 months in the original packaging in a dry place
Mixing ratio	4.25 - 4.75 l of water every 25 kg
Mix volume mass	1.35 - 1.45 g/cm <sup>3</sup>
Total porosity	> 25%
Application temperature	from +5°C to +35°C
Mix workability time	1 hour
Coat thickness	min. 20 mm - max. 30 mm

## FINAL PERFORMANCE

Resistance to compression	4.2 N/mm <sup>2</sup>
Resistance to flexure	2.3 N/mm <sup>2</sup>
Dynamic elastic module	< 4500 N/mm <sup>2</sup>
Steam resistance factor	< 12
Resistance to salts	excellent

# ADESAN RASANTE

Levelling grout based on hydraulic and aerial binders, for ADESAN restoration renders. White coat finishing.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

6600325

## COLOUR

White

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Levelling, transpiring powder grout for restoration renders based on hydraulic and aerial binders, marble sands, quartz and special additives.
- › Thickness up to 3 mm.
- › White coat finishing degree.
- › Excellent application and workability for an easier application on ADESAN fresh or cured raw renders, safeguarding the substrate transpiration.
- › Classification **GP-CSII** according to the European Norm **EN 998-1**.

## USE

- › Finishing of traditional or pre-mixed ADESAN renders with the “wet on wet” technique.
- › Levelling of traditional or pre-mixed cured ADESAN renders.
- › It can be coated with both thin and transpiring paints or decorations.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Finishing degree	fine white coat
Storage	12 months in the original packaging in a dry place
Mixing ratio	6.8 - 7.3 l of water every 25 kg
Pot life	2 hours
Mix pH	12
Application temperature	from +5°C to +35°C
Max. thickness	3 mm

## Waiting time:

for applying the second coat	30 min
for float finishing	15 min
for painting	3 - 4 weeks

## FINAL PERFORMANCE

Resistance to compression after 28 days	5.0 N/mm <sup>2</sup>
Resistance to flexure after 28 days	> 3.0 N/mm <sup>2</sup>
Adhesion on cured substrates after 28 days	> 0.5 N/mm <sup>2</sup>
Steam resistance factor	< 12

## APPLICATION CYCLE

RESTORATION WITH LIME BASED RENDER OF A TRADITIONAL MASONRY SUBJECT TO RISING DAMP.  
FOR WALLS SUBJECT TO RISING DAMP AND SALINE EFFLORESCENCE.

### USED ADESITAL PRODUCTS:

- › ADESAN RINZAFFO CALCE
- › ADESAN CALCE MACCHINA
- › ADESAN RASANTE



**01**  
Remove the old render up to 1 meter above the damp line, exposing the bricks.



**02**  
Carefully wash with pressure water.



**03**  
Apply an even coat of ADESAN RINZAFFO CALCE.



**04**  
Apply the restoration render ADESAN CALCE INTONACO in a thickness of at least 2 cm.



**05**  
Make a first float finishing.



**06**  
Level with ADESAN RASANTE (fine white coat finishing).

## APPLICATION CYCLE

### RESTORATION WITH LIME-CEMENT BASED RENDER OF A MASONRY SUBJECT TO RISING DAMP.

#### USED ADESITAL PRODUCTS:

- › ADESAN RINZAFFO MACCHINA
- › ADESAN TRASPIRANTE
- › ADESAN RASANTE



01

Remove the layer of deteriorated render affected by rising damp. Demolish at least 1 m above the rising damp line.



02

Once the render has been removed, clean and wash thoroughly. Once these works are completed, when the substrate is dry, apply a film of water to the masonry to be restored.



03

Apply **ADESAN RINZAFFO MACCHINA** evenly by hand or by machine for a total thickness of 5 mm.



04

When the rendering has set, apply the coat of render **ADESAN TRASPIRANTE** using the “wet on wet” technique.



05

Level and even out the coat of dehumidifying render **ADESAN TRASPIRANTE** with a suitable rod.



06

Check that the render coat is at least 2.5 - 3 cm thick.



07

When the render coat has cured, level using the product **ADESAN RASANTE**.



08

When **ADESAN RASANTE** still has a plastic consistency, even out the levelling with a damp sponge for an optimal finish.

# ADESAN TRASPIRANTE

Pre-mixed de-humidifying lightened render for restoring damp walls.



## COVERAGE

9 - 10 kg/m<sup>2</sup> every cm of thickness

## CODE

230420AD

## COLOUR

Grey

## PACKAGE

20 kg bag

04

## PRODUCT FEATURES

- › Pre-mixed macro-porous grout based on special binders with pozzolana reaction, light aggregates and special additives.
- › Excellent workability both by hand and by machine.
- › Excellent dehumidifying and draining capacity on rising damp.
- › Barrier effect against the saline outlet from the wall.
- › Classification R CSII according to the European Norm EN 998-1.

## USE

- › Dehumidification of old and new walls in bricks subject to rising damp.
- › Restoration of walls in porous stones.
- › Recovery of walls deteriorated by humidity and saline efflorescence.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Grain size	< 1 mm
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4 - 4.5 l of water every 20 kg
Mix consistency	thixotropic
Mix volume mass	1.1 - 1.3 g/cm <sup>3</sup>
Mix air content	25%
Total porosity	40%
Application temperature	from +5°C to +35°C
Mix workability time	1 hour
Coat thickness	min. 2 cm, max. 3 cm

## FINAL PERFORMANCE

Resistance to compression	4.0 N/mm <sup>2</sup>
Resistance to flexure	1.5 N/mm <sup>2</sup>
Dynamic elastic module	< 4500 N/mm <sup>2</sup>
Steam resistance factor	< 12
Resistance to salts	excellent

# ADESAN RINZAFFO CALCE

Bonding grout based on traditional lime to be applied before a restoration render or lime-based transpiring render.



## COVERAGE

7.5 - 8 kg/m<sup>2</sup> (every 5 mm of thickness)

## CODE

189120AD

## COLOUR

Light

## PACKAGE

20 kg bag

## PRODUCT FEATURES

- › Pre-mixed coarse grain grout based on traditional lime and pozzolana, anti-salt additives and bonders for damp substrates.
- › Excellent adhesiveness on all brick substrates.
- › Barrier effect against the saline outlet from the wall.
- › It is particularly suitable for creating bonding coats in the restoration of historical buildings thanks to its porosity, elastic module and mechanical performance.
- › Classification **GP CSIV** according to the European Norm EN 998-1.

## USE

- Bonding coat for restoration and transpiring renders. To be used with the products ADESAN CALCE MACCHINA, ADESAN STRUTTURALE NHL and ADESAN INTONACO NHL on:
- › Old and new brick walls.
  - › Walls with significant saline efflorescence.
  - › Stone and tuff walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	light grey
Grain size	2.5 mm
Storage	12 months in the original packaging and in a dry place
Mixing ratio	5 - 5.5 l of water every 20 kg
Mix consistency	plastic
Volume mass	1.8 - 1.9 kg/l
Application temperature	from +5°C to +35°C
Mix workability time	1 hour
Coat thickness	5 mm

## FINAL PERFORMANCE

Resistance to compression	> 7.0 N/mm <sup>2</sup>
Dynamic elastic module	< 8000 N/mm <sup>2</sup>
Steam resistance factor	< 30



# ADESAN CALCE MACCHINA

Salt resistant grout for macro-porous de-humidifying renders based on lime and environmental-friendly pozzolana for restoring damp walls even in historical buildings.



## COVERAGE

16 kg/m<sup>2</sup> every cm of thickness

## CODE

1899125AD

## COLOUR

Light

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Pre-mixed grout, with light colour, free of cement, based on lime, environmental-friendly pozzolana and natural sands.
- › Excellent dehumidifying and draining capacity on rising damp.
- › Barrier effect against the saline outlet from the wall.
- › Mechanical features compatible with old walls.
- › Excellent workability by hand also.
- › Ideal for historical buildings.
- › With very low VOC emissions (EC1R plus).
- › Classification R CSII according to the European Norm EN 998-1.

## USE

- › Restoration of walls in bricks or porous stones subject to rising damp.
- › Application of de-humidification render on structures close to humid areas.
- › Recovery of walls deteriorated by efflorescence.
- › Restoration of historical-artistic renders (old town centres, churches, villas) under the protection of the Superintendencies for architectural and landscape heritage where a final restoration respecting the original materials is necessary.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	light grey
Grain size	< 2.5 mm
Powder volume mass	1.5 g/cm <sup>3</sup>
Solid residue	100%
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4.75 - 5.25 l of water every 25 kg
Mix pH	12
Total porosity	> 20%
Workability time	50 - 60 minutes
Waiting time after rendering	< 24 hours
Coat thickness	min. 2 cm, max. 3 cm every coat

Application temperature

from +5°C to +35°C

## FINAL PERFORMANCE

Resistance to compression after 28 days	1.5 - 5.0 N/mm <sup>2</sup> (category CSII)
Adhesion on substrate	> 0.4 N/mm <sup>2</sup>
Water absorption by capillarity	3.5 kg/m <sup>2</sup>
Vapour permeability coefficient	(μ) ≤ 10
Thermal conductivity	0.61 W/mk
Resistance to sulphates	high
Saline efflorescence	none

# ADESAN STRUTTURALE NHL

Fibre-reinforced transpiring grout with high mechanical performance based on natural hydraulic lime (NHL) and environmental-friendly pozzolana for transpiring renders.



## COVERAGE

17 kg/m<sup>2</sup> every cm of thickness

## CODE

188425AD

## COLOUR

Beige

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Pre-mixed fibre grout, with light hazel colour, free of cement, with high mechanical performance, based on natural hydraulic lime (NHL), environmental-friendly pozzolana and natural sands, special additives.
- › Transpiring, with excellent workability by machine also, and mechanical features and composition compatible with new and old walls.
- › Ideal for historic buildings indoors and outdoors.
- › Classification **GP CSIV** according to the European Norm **EN 998-1** and **G-M15** according to the European Norm **EN 998-2**.

## USE

- › Application by hand or by machine of new transpiring renders with high mechanical performance on stone, brick, tuff and mixed walls not subject to rising damp.
- › Application of new renders or restoration of old renders based on lime on historical and artistic walls.
- › Preparation of wall faces with a wall grout with high mechanical performance (higher than those of the traditional lime-based grouts).
- › Sealing of joints between stones, bricks and tuff on external façade walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	beige
Grain size	< 2.5 mm
Binder type (EN 459-1)	NHL 3.5 and NHL 5
Powder volume mass	1.4 g/cm <sup>3</sup>
Chloride content	< 0.05%
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4.0 - 4.25 l of water every 25 kg
Mix pH	12
Total porosity	7%
Workability time	50 - 60 minutes
Coat thickness	min. 1 cm, max. 4 cm every coat

Application temperature

from +5°C to +35°C

## FINAL PERFORMANCE

Resistance to compression after 28 days	> 15 N/mm <sup>2</sup> (category CSIV, class M15)
Adhesion on substrate	> 0.7 N/mm <sup>2</sup>
Initial shearing strength	0.2 N/mm <sup>2</sup>
Static elastic module after 28 days	10,000 N/mm <sup>2</sup>
Water absorption by capillarity	< 0.2 kg x m <sup>-2</sup> x min <sup>-0.5</sup> (category W2)
Vapour permeability coefficient	(μ) 60
Thermal conductivity	1 W/mk
Fire reaction	class E

# ADESAN INTONACO NHL

Transpiring substrate render based on natural hydraulic lime (NHL) and environmental-friendly pozzolana.



## COVERAGE

14.5 kg/m<sup>2</sup> every cm of thickness

## CODE

189925AD

## COLOUR

Beige

## PACKAGE

25 kg bag

04

## PRODUCT FEATURES

- › Pre-mixed grout, with light hazel colour, free of cement, based on natural hydraulic lime (NHL), environmental-friendly pozzolana and natural sands.
- › Transpiring, with excellent workability by machine also.
- › Mechanical features compatible with old walls.
- › Ideal for renders in historic buildings, indoors and outdoors.
- › With very low VOC emissions (EC1 plus).
- › Classification **GP CSII** according to the European Norm **EN 998-1**.

## USE

- › Application by hand or by machine of new indoor and outdoor transpiring renders on stone, brick, tuff and mixed walls not subject to capillary rising damp.
- › Application of new renders or restoration of old renders based on lime on historical and artistic walls.
- › Sealing of joints between stones, bricks and tuff on external façade walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	beige
Grain size	< 1.4 mm
Binder type (EN 459-1)	NHL 3.5 and NHL 5
Powder volume mass	1.3 g/cm <sup>3</sup>
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4.75 - 5.25 l of water every 25 kg
Mix pH	12
Total porosity	> 20%
Workability time	50 - 60 minutes
Coat thickness	min. 1 cm, max. 3 cm every coat
Application temperature	from +5°C to +35°C

## FINAL PERFORMANCE

Resistance to compression after 28 days	1.5 - 5 N/mm <sup>2</sup> (category CSII)
Adhesion on substrate	> 0.3 N/mm <sup>2</sup>
Water absorption by capillarity	category W0
Vapour permeability coefficient	(μ) ≤ 12
Thermal conductivity	0.57 W/mk
Fire reaction	class A1





# THERMAL AND SOUND INSULATION

05

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# ADETHERM EXTRA 35

Single-component adhesive and levelling grout for the installation and levelling of over-coating insulating panels. Available in three different grain sizes: G6 (0.6 mm) - G8 (0.8 mm) - G10 (1.0 mm).



## COVERAGE

Bonding: min. 5 kg/m<sup>2</sup>, depending on the substrate flatness

Levelling: 3 - 5 kg/m<sup>2</sup>

PRODUCT	CODE	COLOUR	PACKAGE
G6	2934025	Grey	25 kg bag
G8	2914125	White	25 kg bag
G8	2914025	Grey	25 kg bag
G10	2914325	White	25 kg bag

## PRODUCT FEATURES

- › Single-component powder adhesive based on Portland cement, synthetic resins, selected sands and additives.
- › Excellent adhesiveness and spreadability.
- › Three grain sizes for two different finishing degrees.
- › It can be directly float-finished for the decorative coating.
- › Classification **GP-CSIV** according to the European Norm EN 998-1.

## USE

- › Indoor and outdoor installation of insulating panels: foam and extruded polystyrene, foam polyurethane, rock or glass wool with suitable density, insulating cork, sound-deadening panels.
- › Installation of insulating panels on the suitable and consistent surfaces such as: traditional renders, concrete, bricks.
- › Especially recommended for the final levelling of insulating panels, with suitable and consistent surface.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	
	ADETHERM EXTRA 35 G6 5.25 - 5.75 l of water every 25 kg
	ADETHERM EXTRA 35 G8 5.5 - 6 l of water every 25 kg
	ADETHERM EXTRA 35 G10 4.75 - 5.25 l of water every 25 kg
Pot life	6 hours
Mix pH	12
Application temperature	from +5°C to +35°C
Open time	25 minutes

Adjustment time	45 - 60 minutes
Final hardening	after 14 days

## FINAL PERFORMANCE

Resistance: to humidity	excellent
to aging	excellent
Deformability	medium
Adhesion: dry on concrete	2.0 N/mm <sup>2</sup>
after heating	2.7 N/mm <sup>2</sup>
after immersion in water	> 0.7 N/mm <sup>2</sup>
Resistance: to compression	9.0 N/mm <sup>2</sup>
to flexure	5.0 N/mm <sup>2</sup>

# ADETHERM EPS

Insulating panel made of white polystyrene foam for over-coated thermal insulation systems.



THICKNESS	CODE	COLOUR	PACKAGE
4 cm	MTHAIAD00004	White	0.30 m <sup>3</sup> / 7.50 m <sup>2</sup> packages
5 cm	MTHAIAD00005	White	0.30 m <sup>3</sup> / 6.00 m <sup>2</sup> packages
6 cm	MTHAIAD00006	White	0.30 m <sup>3</sup> / 5.00 m <sup>2</sup> packages
8 cm	MTHAIAD00008	White	0.28 m <sup>3</sup> / 3.50 m <sup>2</sup> packages
10 cm	MTHAIAD00010	White	0.30 m <sup>3</sup> / 3.00 m <sup>2</sup> packages
12 cm	MTHAIAD00012	White	0.30 m <sup>3</sup> / 2.50 m <sup>2</sup> packages
14 cm	MTHAIAD00014	White	0.28 m <sup>3</sup> / 2.00 m <sup>2</sup> packages
16 cm	MTHAIAD00016	White	0.24 m <sup>3</sup> / 1.50 m <sup>2</sup> packages

## PRODUCT FEATURES

- › Insulating panel made of white polystyrene foam with improved lambda, for over-coated insulation systems.
- › Lightweight, easy to transport and to install.
- › It makes it possible to significantly improve the living, performance, economic and environmental characteristics of existing and new buildings.

## USE

- › In over-coated insulation systems, it is the fundamental element for the thermal insulation given by the system.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	EPS panel
Colour	white
Panel length	1.00 m
Panel width	0.50 m
Panel thickness	4 / 5 / 6 / 8 / 10 / 12 / 14 / 16 cm
Storage	Store in the original packaging, in a dry place and away from sunlight.
Inflammability	Euroclass E

## APPLICATION DATA

Tensile strength perpendicular to the surfaces	> 100 kPa
Long-term water absorption, total immersion	< 3%
Long-term water absorption, partial immersion	< 0.2 kg/m <sup>2</sup>
Resistance to water vapour diffusion ( $\mu$ )	20 - 40
Thermal conductivity ( $\lambda_d$ )	0.036 W/mK
Specific thermal capacity ( $C_p$ )	1500 J/kgK
Thermal expansion coefficient	65x10 <sup>-6</sup>
Limit use temperature	75°C



# ADETHERM EPS CAM



Insulating panel made of white polystyrene foam for over-coated thermal insulation systems.  
Compliant with the Minimum Environmental Criteria M.E.C.



THICKNESS	CODE	COLOUR	PACKAGE
4 cm	MTHAIAD00404	White	0.30 m <sup>3</sup> / 7.50 m <sup>2</sup> packages
5 cm	MTHAIAD00405	White	0.30 m <sup>3</sup> / 6.00 m <sup>2</sup> packages
6 cm	MTHAIAD00406	White	0.30 m <sup>3</sup> / 5.00 m <sup>2</sup> packages
8 cm	MTHAIAD00408	White	0.28 m <sup>3</sup> / 3.50 m <sup>2</sup> packages
10 cm	MTHAIAD00410	White	0.30 m <sup>3</sup> / 3.00 m <sup>2</sup> packages
12 cm	MTHAIAD00412	White	0.30 m <sup>3</sup> / 2.50 m <sup>2</sup> packages
14 cm	MTHAIAD00414	White	0.28 m <sup>3</sup> / 2.00 m <sup>2</sup> packages
16 cm	MTHAIAD00416	White	0.24 m <sup>3</sup> / 1.50 m <sup>2</sup> packages

## PRODUCT FEATURES

- › Insulating panel made of white polystyrene foam with improved lambda, for over-coated insulation systems.
- › Lightweight, easy to transport and to install.
- › It makes it possible to significantly improve the living, performance, economic and environmental characteristics of existing and new buildings.
- › Compliant with the Minimum Environmental Criteria (M.E.C. certified)

## USE

- › In over-coated insulation systems, it is the fundamental element for the thermal insulation given by the system

## TECHNICAL DATA

(at +23°C and 50% R.H.)

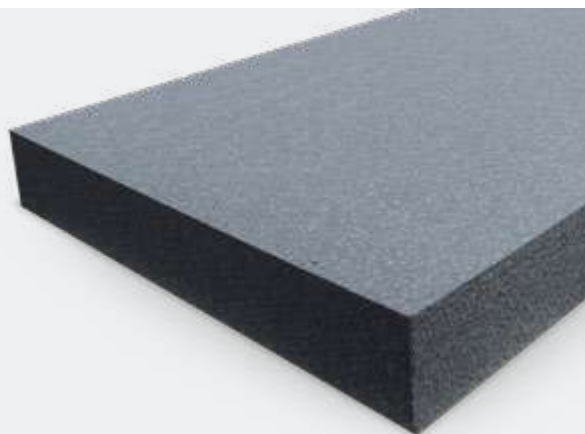
Appearance	EPS panel
Colour	white
Panel length	1.00 m
Panel width	0.50 m
Panel thickness	4 / 5 / 6 / 8 / 10 / 12 / 14 / 16 cm
Storage	Store in the original packaging, in a dry place and away from sunlight.
Inflammability	Euroclass E

## FINAL PERFORMANCE

Tensile strength perpendicular to the surfaces	> 120 kPa
Long-term water absorption, total immersion	< 4%
Long-term water absorption, partial immersion	< 0.5 kg/m <sup>2</sup>
Resistance to water vapour diffusion ( $\mu$ )	20 - 70
Thermal conductivity ( $\lambda_d$ )	0.036 W/mK
Specific thermal capacity ( $C_p$ )	1350 J/kgK
Thermal expansion coefficient	65x10 <sup>-6</sup>
Limit use temperature	75°C

# ADETHERM EPS GRAF

Insulating panel made of polystyrene foam sintered with graphite, for over-coated thermal insulation systems.



THICKNESS	CODE	COLOUR	PACKAGE
4 cm	MTHAIAD00104	Dark grey	0.30 m <sup>3</sup> / 7.50 m <sup>2</sup> packages
5 cm	MTHAIAD00105	Dark grey	0.30 m <sup>3</sup> / 6.00 m <sup>2</sup> packages
6 cm	MTHAIAD00106	Dark grey	0.30 m <sup>3</sup> / 5.00 m <sup>2</sup> packages
8 cm	MTHAIAD00108	Dark grey	0.28 m <sup>3</sup> / 3.50 m <sup>2</sup> packages
10 cm	MTHAIAD00110	Dark grey	0.30 m <sup>3</sup> / 3.00 m <sup>2</sup> packages
12 cm	MTHAIAD00112	Dark grey	0.30 m <sup>3</sup> / 2.50 m <sup>2</sup> packages
14 cm	MTHAIAD00114	Dark grey	0.28 m <sup>3</sup> / 2.00 m <sup>2</sup> packages
16 cm	MTHAIAD00116	Dark grey	0.24 m <sup>3</sup> / 1.50 m <sup>2</sup> packages

## PRODUCT FEATURES

- › Insulating panel made of polystyrene foam sintered with graphite, for over-coated insulation systems.
- › Lightweight, easy to transport and to install.
- › It makes it possible to significantly improve the living, performance, economic and environmental characteristics of existing and new buildings.

## USE

- › In over-coated insulation systems, it is the fundamental element for the thermal insulation given by the system.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	panel in EPS with graphite
Colour	dark grey
Panel length	1.00 m
Panel width	0.50 m
Panel thickness	4 / 5 / 6 / 8 / 10 / 12 / 14 / 16 cm
Storage	Store in the original packaging, in a dry place and away from sunlight.
Inflammability	Euroclass E

## APPLICATION DATA

Tensile strength perpendicular to the surfaces	> 150 kPa
Long-term water absorption, total immersion	< 3%
Long-term water absorption, partial immersion	< 0.2 kg/m <sup>2</sup>
Resistance to water vapour diffusion ( $\mu$ )	20 - 40
Thermal conductivity ( $\lambda_d$ )	0.031 W/mK
Specific thermal capacity ( $C_p$ )	1470 J/kgK
Thermal expansion coefficient	65x10 <sup>-6</sup>
Limit use temperature	75°C

# ADETHERM EPS GRAF CAM



Insulating panel made of polystyrene foam sintered with graphite, for over-coated thermal insulation systems.  
Compliant with the Minimum Environmental Criteria M.E.C.



THICKNESS	CODE	COLOUR	PACKAGE
4 cm	MTHAIAD00504	Dark grey	0.30 m <sup>3</sup> / 7.50 m <sup>2</sup> packages
5 cm	MTHAIAD00505	Dark grey	0.30 m <sup>3</sup> / 6.00 m <sup>2</sup> packages
6 cm	MTHAIAD00506	Dark grey	0.30 m <sup>3</sup> / 5.00 m <sup>2</sup> packages
8 cm	MTHAIAD00508	Dark grey	0.28 m <sup>3</sup> / 3.50 m <sup>2</sup> packages
10 cm	MTHAIAD00510	Dark grey	0.30 m <sup>3</sup> / 3.00 m <sup>2</sup> packages
12 cm	MTHAIAD00512	Dark grey	0.30 m <sup>3</sup> / 2.50 m <sup>2</sup> packages
14 cm	MTHAIAD00514	Dark grey	0.28 m <sup>3</sup> / 2.00 m <sup>2</sup> packages
16 cm	MTHAIAD00516	Dark grey	0.24 m <sup>3</sup> / 1.50 m <sup>2</sup> packages

## PRODUCT FEATURES

- › Insulating panel made of polystyrene foam sintered with graphite, for over-coated insulation systems.
- › Lightweight, easy to transport and to install.
- › It makes it possible to significantly improve the living, performance, economic and environmental characteristics of existing and new buildings.
- › Compliant with the Minimum Environmental Criteria (M.E.C. certified)

## USE

- › In over-coated insulation systems, it is the fundamental element for the thermal insulation given by the system.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

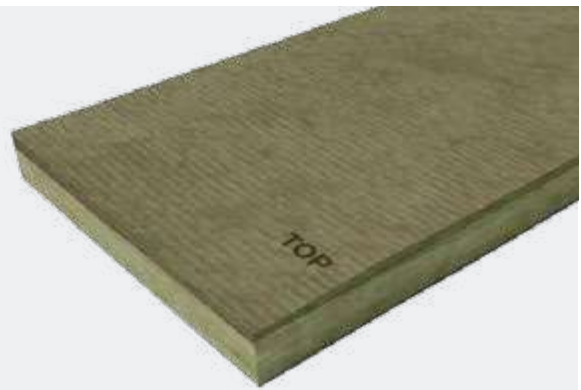
Appearance	panel in EPS with graphite
Colour	dark grey
Panel length	1.00 m
Panel width	0.50 m
Panel thickness	4 / 5 / 6 / 8 / 10 / 12 / 14 / 16 cm
Storage	Store in the original packaging, in a dry place and away from sunlight.
Inflammability	Euroclass E

## FINAL PERFORMANCE

Tensile strength perpendicular to the surfaces	> 150 kPa
Long-term water absorption, total immersion	< 3%
Long-term water absorption, partial immersion	< 0.2 kg/m <sup>2</sup>
Resistance to water vapour diffusion ( $\mu$ )	20 - 40
Thermal conductivity ( $\lambda_d$ )	0.031 W/mK
Specific thermal capacity ( $C_p$ )	1470 J/kgK
Thermal expansion coefficient	$65 \times 10^{-6}$
Limit use temperature	75°C

# AETHERM ROCCIA 120

Insulating panel made of rock wool with double density, for over-coated insulation systems.



THICKNESS	CODE	COLOUR	PACKAGE
8 cm	MTHAIAD00208	Brown	6-package pallet / 21.60 m <sup>2</sup>
10 cm	MTHAIAD00210	Brown	6-package pallet / 17.28 m <sup>2</sup>
12 cm	MTHAIAD00212	Brown	10-package pallet / 14.40 m <sup>2</sup>

## PRODUCT FEATURES

- › Rigid panel for sound and heat insulation made of rock wool, for over-coated thermal insulation systems.
- › Double density for greater resistance to impacts and stresses.
- › Its high permeability to vapour makes it ideal for the realization of “breathable” insulation.
- › Being non-combustible it ensures high safety in case of fire by not generating smoke or dripping.
- › It makes it possible to significantly improve the living, performance, economic and environmental characteristics of existing and new buildings.
- › Compliant with the Minimum Environmental Criteria (M.E.C. certified)

## USE

- › In over-coated insulation systems, it is the fundamental element for the thermal insulation given by the system.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fibre panel
Colour	brown
Panel length	1.20 m
Panel width	0.60 m
Panel thickness	8 / 10 / 12 cm
Storage	Store in the original packaging, in a dry place and away from sunlight and humidity
Inflammability	Euroclass A1

## APPLICATION DATA

Resistance to compression	> 15.0 kPa
Tensile strength perpendicular to the surfaces	> 7.5 kPa
Long-term water absorption, total immersion	< 3%
Long-term water absorption, partial immersion	< 0.2 kg/m <sup>2</sup>
Resistance to water vapour diffusion ( $\mu$ )	1
Thermal conductivity ( $\lambda_d$ )	0.035 W/mK
Specific thermal capacity ( $C_p$ )	1030 J/kgK
Density	78 kg/m <sup>3</sup> (min. 70 / max. 120)

# AETHERM ROCCIA MONO

Insulating panel made of rock wool with single density, for over-coated insulation systems.



THICKNESS	CODE	COLOUR	PACKAGE
4 cm	MTHAIAD000304	Brown	24-package pallet / 95.00 m <sup>2</sup>
8 cm	MTHAIAD000308	Brown	40-package pallet / 72.00 m <sup>2</sup>
12 cm	MTHAIAD000312	Brown	Pallet 40 packs (48 m <sup>2</sup> )
16 cm	MTHAIAD000316	Brown	Pallet 28 packs / 33.60 m <sup>2</sup>

## PRODUCT FEATURES

- › Panel for sound and heat insulation made of rock wool with single density, for over-coated thermal insulation systems.
- › Its high permeability to vapour makes it suitable for the realization of “transpiring” insulation.
- › Being non-combustible it ensures high safety in case of fire by not generating smoke or dripping.
- › It makes it possible to significantly improve the living, performance, economic and environmental characteristics of existing and new buildings.
- › Compliant with the Minimum Environmental Criteria (M.E.C. certified)

## USE

- › In over-coated insulation systems, it is the fundamental element for the thermal insulation given by the system.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fibre panel
Colour	brown
Panel length	1.00 m
Panel width	0.60 m
Panel thickness	4 / 8 / 12 / 16 cm
Storage	Store in the original packaging, in a dry place and away from sunlight and humidity
Inflammability	Euroclass A1

## APPLICATION DATA

Resistance to compression	> 30.0 kPa (thck. 80, 160 mm)
Tensile strength perpendicular to the surfaces	> 10.0 kPa (thck. 80, 160 mm)
Long-term water absorption, partial immersion	< 3.0 kg/m <sup>2</sup>
Resistance to water vapour diffusion (μ)	1
Thermal conductivity (λ <sub>d</sub> )	0.035 W/mK (thck. 80, 160 mm)
	0.034 W/mK (thck. 40 mm)
Specific thermal capacity (C <sub>p</sub> )	1030 J/kgK
Density	115 kg/m <sup>3</sup> (thck. 80, 160 mm)
	65 kg/m <sup>3</sup> (thck. 40 mm)

# ADETHERM TASSELLO

Polypropylene percussion dowel, 10 mm diameter, with nylon nail.



LENGTH	CODE	COLOUR	PACKAGE
12 cm	MTHBIAD00012	White	250-piece box
14 cm	MTHBIAD00014	White	250-piece box
16 cm	MTHBIAD00016	White	250-piece box
18 cm	MTHBIAD00018	White	250-piece box
20 cm	MTHBIAD00020	White	250-piece box

## PRODUCT FEATURES

- › Percussion dowel in polypropylene with 10 mm diameter and a 60 mm head, with a nylon nail charged with fibreglass.
- › Extremely reduced drilling depth.

## USE

- › In over-coated insulation systems fixing insulating panels after bonding.
- › Approved for the following types of substrates:
  - Concrete (Cat. A);
  - Solid brick (Cat. B);
  - Hollow brick (Cat. C);
  - Lightened concrete (Cat. D);
  - Foam concrete (Cat. E).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	dowel in PP
Colour	white
Dowel nominal diameter	10 mm
Head diameter	60 mm
Hole depth (excluding panel, adhesive and render)	> 50 mm
Bonding depth (hanc)	> 40 mm

### Dimensions:

ADETHERM TASSELLO 120	length 120 mm - Fixable thck. 90 mm
ADETHERM TASSELLO 140	length 140 mm - Fixable thck. 110 mm
ADETHERM TASSELLO 160	length 160 mm - Fixable thck. 130 mm
ADETHERM TASSELLO 180	length 180 mm - Fixable thck. 150 mm

ADETHERM TASSELLO 200	length 200 mm - Fixable thck. 170 mm
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C.

## APPLICATION DATA

Heat transmittance	0.002 W/m <sup>2</sup> K
Use categories	A, B, C, D, E
Chemical-physical resistance	resistant to alkali and UV rays

# ADETHERM TASSELLO PLUS

Polypropylene screwing dowel, 8 mm diameter, with pre-assembled steel nail.



LENGTH	CODE	COLOUR	PACKAGE
11 cm	MTHBIAD00111	Grey	100-piece box
13 cm	MTHBIAD00113	Grey	100-piece box
15 cm	MTHBIAD00115	Grey	100-piece box
17 cm	MTHBIAD00117	Grey	100-piece box
19 cm	MTHBIAD00119	Grey	100-piece box
21 cm	MTHBIAD00121	Grey	100-piece box
23 cm	MTHBIAD00123	Grey	100-piece box

## PRODUCT FEATURES

- › Screwing dowel in polypropylene with 8 mm diameter and a 60 mm head, with pre-assembled steel nail.
- › The composite screw in steel and plastic prevents the formation of a thermal bridge at the dowel.
- › Extremely reduced drilling depth.

## USE

- › In over-coated insulation systems fixing insulating panels after bonding.
- › Approved for the following types of substrates:
  - Concrete (Cat. A);
  - Solid brick (Cat. B);
  - Hollow brick (Cat. C);
  - Lightened concrete (Cat. D);
  - Foam concrete (Cat. E).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	dowel in PP and steel
Colour	grey
Dowel nominal diameter	8 mm
Head diameter	60 mm
Hole depth (excluding panel, adhesive and render)	> 55 mm
Bonding depth (hanc)	> 45 mm

Dimensions:

ADETHERM TASSELLO 110	length 110 mm - Fixable thck. 70 mm
ADETHERM TASSELLO 130	length 130 mm - Fixable thck. 90 mm
ADETHERM TASSELLO 150	length 150 mm - Fixable thck. 110 mm
ADETHERM TASSELLO 170	length 170 mm - Fixable thck. 130 mm

ADETHERM TASSELLO 190	length 190 mm - Fixable thck. 150 mm
ADETHERM TASSELLO 210	length 210 mm - Fixable thck. 170 mm
ADETHERM TASSELLO 230	length 230 mm - Fixable thck. 190 mm

# AETHERM BASE

Starting profile in aluminium with drainer.



THICKNESS	CODE	COLOUR	PACKAGE
5 cm	MTHCIAD00005	Aluminium	10-piece box
6 cm	MTHCIAD00006	Aluminium	10-piece box
8 cm	MTHCIAD00008	Aluminium	10-piece box
10 cm	MTHCIAD00010	Aluminium	10-piece box
12 cm	MTHCIAD00012	Aluminium	10-piece box
14 cm	MTHCIAD00014	Aluminium	10-piece box
16 cm	MTHCIAD00016	Aluminium	10-piece box

## PRODUCT FEATURES

- › Aluminium shaped profile necessary for the correct installation of the insulating panels.
- › It allows to give perfect horizontality to the panels, ensuring the correct installation of the entire insulation system.

## USE

- › In over-coated insulation systems as starting support on which the insulating panels are bonded precisely and securely.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	metal profile
Colour	aluminium
Thickness	0.8 - 1.2 mm
Tolerances on the height of the bars	5 mm

Dimensions:

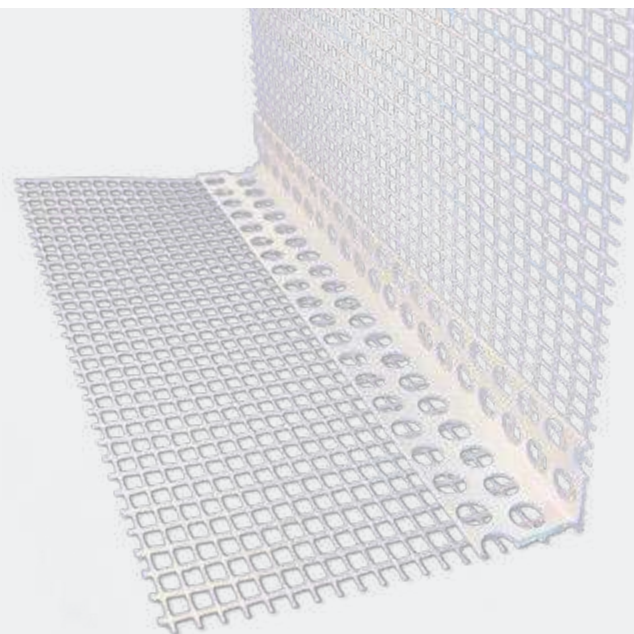
AETHERM BASE 50	width 50 mm - length 2.50 mm
AETHERM BASE 60	width 60 mm - length 2.50 mm
AETHERM BASE 80	width 80 mm - length 2.50 mm
AETHERM BASE 100	width 100 mm - length 2.50 mm
AETHERM BASE 120	width 120 mm - length 2.50 mm
AETHERM BASE 140	width 140 mm - length 2.50 mm

AETHERM BASE 160	width 160 mm - length 2.50 mm
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C.



# AETHERM PARASPIGOLO 80x120

Fibreglass mesh corner, shaped with PVC profile to be positioned at 90° angles and corners.



CODE	COLOUR	PACKAGE
MTHCIAD00108	White	50-piece box / 120 m

05

## PRODUCT FEATURES

- › Fibreglass mesh profile, heat-sealed, shaped and reinforced in PVC for the construction and protection of corners, sharp edges and edges.
- › Primed and non-detachable mesh.

## USE

- › In over-coated insulation systems for the protection and reinforcement of corners, sharp edges and edges.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

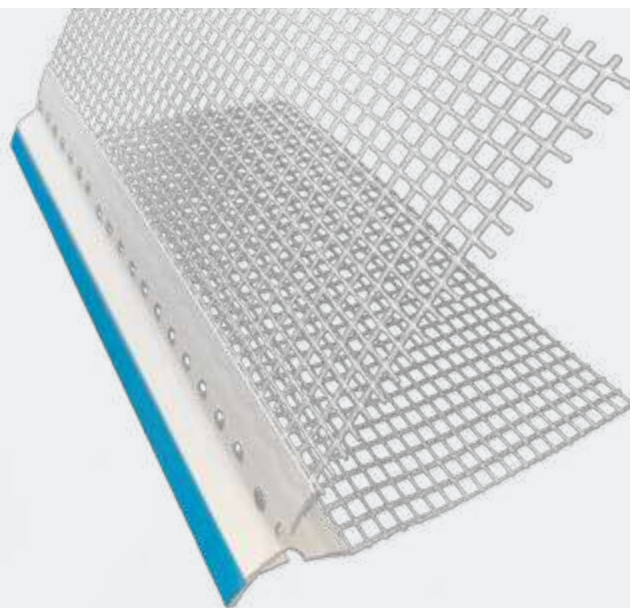
Appearance	profile in PVC and fibreglass
Colour	white
Mesh weight	165 g/m <sup>2</sup>
Mesh dimensions	3.5 x 3.5 mm
Mesh average thickness	0.52 mm
Dimensions	mesh width 230 mm length 2.50 m
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C.

## APPLICATION DATA

Average tensile strength	2407.7 N/50 mm (warp) 2105.4 N/50 mm (weave)
Average tensile elongation	3,70% (warp) 3.55% (weave)
Chemical-physical resistance	resistant to alkali and UV rays

# AETHERM GOCCIOLATOIO 100

PVC corner with fibreglass mesh to be positioned at edges to stop water from flowing.



CODE	COLOUR	PACKAGE
MTHCIAD00213	White	25-piece box / 62.5 m

## PRODUCT FEATURES

- › PVC profile with heat-sealed fibreglass mesh, necessary for the construction of drainers in balconies, window lintels and bins.
- › Primed and non-detachable mesh.
- › It stops water from flowing at the corner and prevents infiltration towards the inside.
- › The PVC part is coated with a film which, once removed, can be painted after levelling.

## USE

- › In over-coated insulation systems, in balconies, window lintels and bins to stop water from flowing towards the inside.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

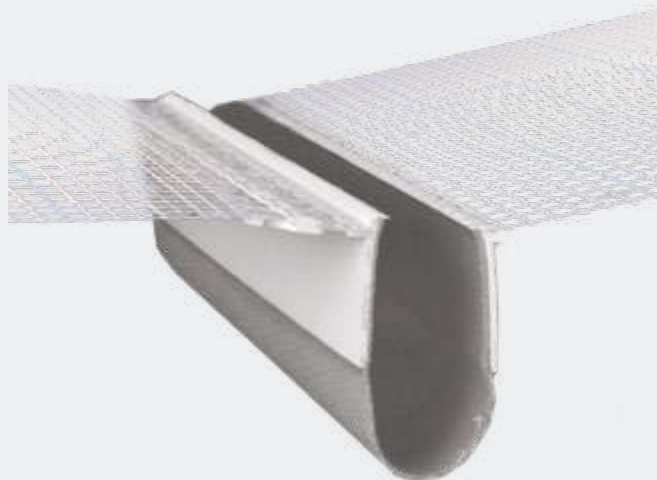
Appearance	profile in rubber and fibreglass
Colour	white
Mesh weight	165 g/m <sup>2</sup>
Mesh dimensions	3.5 x 3.5 mm
Mesh average thickness	0.52 mm
Dimensions	mesh width 100 x 100 mm length 2.50 m
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C.

## APPLICATION DATA

Average tensile strength	2407.7 N/50 mm (warp) 2105.4 N/50 mm (weave)
Average tensile elongation	3,70% (warp) 3.55% (weave)
Chemical-physical resistance	resistant to alkali and UV rays

# ADETHERM GIUNTO 135

Linear PVC joint with fibreglass mesh for sealing expansion joints.



CODE	COLOUR	PACKAGE
MTHCIAD00313	White	25-piece box / 62.5 m

## PRODUCT FEATURES

- › PVC profile with heat-sealed fibreglass mesh, necessary for sealing expansion joints on adjacent, aligned and flat surfaces.
- › Primed and non-detachable mesh.
- › Suitable for joint widths between 5 and 30 mm.

## USE

- › In over-coated insulation systems for sealing the expansion joint between two detached and adjacent surfaces, aligned with each other.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	profile in rubber and fibreglass
Colour	white
Mesh weight	165 g/m <sup>2</sup>
Mesh dimensions	3.5 x 3.5 mm
Mesh average thickness	0.52 mm
Dimensions	mesh width 135 x 135 mm length 2.50 m
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C.

## APPLICATION DATA

Average tensile strength	2407.7 N/50 mm (warp) 2105.4 N/50 mm (weave)
Average tensile elongation	3,70% (warp) 3.55% (weave)
Chemical-physical resistance	resistant to alkali and UV rays

# AETHERM SOTTOFINESTRA 100

Aluminium profile to be positioned underneath the projection of window sills.



CODE	COLOUR	PACKAGE
MTHCIAD00410	Aluminium	10-piece box / 25 m

## PRODUCT FEATURES

- › Shaped aluminium profile required for covering and protecting the insulating panel at the projection of window sills.
- › It allows to cover the thickness of the insulating panel underneath and adjacent to the projection of window sills, thus avoiding to have to replace the existing window sills.
- › It provides the right protection on the thickness of the insulating panel to prevent infiltration of rain water.

## USE

- › In over-coated insulation systems for covering and protecting the insulating panel at the projection of window sills.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	metal profile
Colour	aluminium
Thickness	0.8 - 1.2 mm
Tolerances on the height of the bars	5 mm
Dimensions:	width 100 mm length 2.50 m
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C

# AETHERM FINESTRA 9x135

Profile in PVC and fibreglass mesh for sealing connection joints in doors and windows.



## CODE

MTHCIAD00513

## COLOUR

White

## PACKAGE

30-piece box / 72 m

## PRODUCT FEATURES

- › PVC profile with heat-sealed fibreglass mesh, necessary for sealing connection joints in doors and windows.
- › Primed and non-detachable mesh.
- › It allows to protect and insulate the interface between insulating panels on the reveal and frames of windows and doors, ensuring an excellent sealing against atmospheric agents.

## USE

- › In over-coated insulation systems for sealing the connection joint at doors and windows.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	profile in PVC and fibreglass
Colour	white
Mesh weight	165 g/m <sup>2</sup>
Mesh dimensions	3.5 x 3.5 mm
Mesh average thickness	0.52 mm
Dimensions	PVC width 9 mm mesh width 13.5 cm length 2.40 m

Storage Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C

## APPLICATION DATA

Average tensile strength	2407.7 N/50 mm (warp) 2105.4 N/50 mm (weave)
Average tensile elongation	3,70% (warp) 3.55% (weave)
Chemical-physical resistance	resistant to alkali and UV rays

# ADETHERM RETE 150

Alkali-resistant and non-detachable fibreglass mesh for over-coated insulation systems.




CODE	COLOUR	PACKAGE
MTHNIAD00015	White	Roll of 1 x 50 m

## PRODUCT FEATURES

- › Non-detachable fibreglass mesh, primed and resistant to alkaline agents, suitable for micro-reinforcing the levelling layer of insulating panels in ADETHERM over-coated insulation systems.
- › It allows the uniform distribution of the tensions due to thermal changes, mechanical stress, shrinkage, etc. to which the system is subjected and greatly reduces the risk of cracks or tears.
- › A correct reinforcement of the levelling layer also provides greater protection for the insulating slabs underneath.

## USE

- › In over-coated insulation systems for the correct reinforcement, protection, to bond and make the insulating panels and the whole system solid.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fibreglass mesh
Colour	white
Mesh weight	150 g/m <sup>2</sup>
Mesh dimensions	4 x 5 mm
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C

## APPLICATION DATA

Average tensile strength	1750 N/50 mm (warp) 1550 N/50 mm (weave)
Chemical-physical resistance	resistant to alkali

# AETHERM RETE PLUS 150

Very high quality, alkali-resistant and non-detachable fibreglass mesh for over-coated insulation systems.



CODE	COLOUR	PACKAGE
MTHNIAD00115	White	Roll of 1 x 50 m

05

## PRODUCT FEATURES

- › Very high quality, non-detachable fibreglass mesh, primed and resistant to alkaline agents, suitable for micro-reinforcing the levelling layer of insulating panels in AETHERM over-coated insulation systems.
- › It allows the uniform distribution of the tensions due to thermal changes, mechanical stress, shrinkage, etc. to which the system is subjected and greatly reduces the risk of cracks or tears.
- › A correct reinforcement of the levelling layer also provides greater protection for the insulating slabs underneath.
- › The high quality of the priming and the fineness of the glass fibres make AETHERM RETE PLUS 150 suitable for the most demanding applications.

## USE

- › In over-coated insulation systems for the correct reinforcement, protection, to bond and make the insulating panels and the whole system solid.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fibreglass mesh
Colour	white
Mesh weight	150 g/m <sup>2</sup>
Mesh dimensions	4 x 5 mm
Storage	Store in the original packaging, in a dry place and away from sunlight at temperatures between 0°C and +30°C

## APPLICATION DATA

Average tensile strength	1750 N/50 mm (warp) 1550 N/50 mm (weave)
Chemical-physical resistance	resistant to alkali

# ADEBLOCK

Single-component adhesive and levelling grout for the installation of cellular cement blocks.



## COVERAGE

7 - 8 kg/m<sup>2</sup> of wall for 25-cm wide blocks

## CODE

2901025

## COLOUR

White

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Single-component adhesive based on special cements, selected grain size aggregates and additives.
- › Excellent applicability and water retention.
- › For indoor and outdoor use.
- › Product certified **REI 180** for fire resistance.
- › Classification **GP-CSIII** according to the European Norm **EN 998-1**.
- › Classification **T-M5** according to the European Norm **EN 998-2**.

## USE

- › Installation and bonding of expanded cellular cement blocks.
- › Levelling of walls in expanded cellular cement blocks.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Powder volume mass	1.5 g/cm <sup>3</sup>
Colour	white
Storage	12 months in the original packaging and in a dry place
Mixing ratio	5.75 - 6.25 l of water every 25 kg
Pot life	6 hours
Mix volume mass	1.6 g/cm <sup>3</sup>
Mix pH	> 12
Application temperature	from +5°C to +35°C
Open time	15 minutes
Adjustment time	40 minutes
Final hardening	after 14 days

## FINAL PERFORMANCE

Resistance: to humidity	excellent
to compression	> 5.0 N/mm <sup>2</sup>
to flexure	> 3.0 N/mm <sup>2</sup>
to tear on blocks	> 0.5 N/mm <sup>2</sup>
Vapour permeability coefficient	(μ) < 12





# SUBSTRATE PREPARATION

06

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# STARCEM

Binder for screeds with fast-medium drying.



## COVERAGE

2 - 2.5 kg/m<sup>2</sup> every cm of thickness

## CODE

2954020

## COLOUR

Grey

## PACKAGE

20 kg bag

## PRODUCT FEATURES

- › Powder binder for screeds based on special cements and additives.
- › Mix STARCEM mixed in the yard with aggregates featuring a grade curve from 0 to 8 mm and with clean water.
- › With semi-rapid setting: it is ready for traffic after 24 hours and is completely dry 7-10 days after the application.
- › It hardens without shrinkage.
- › Ceramic floors can be installed already after 48 hours and wood can be installed after 7 - 10 days.

## USE

- › Preparation of fast-curing screeds, both floating (min. thickness 4 cm) and anchored (by slurry of LATEX G 100, STARCEM, water).
- › Installation of screeds for applying floors in wood, PVC, carpet, linoleum and ceramic tiles.
- › Preparation of screeds enclosing heating coils.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Storage	12 months in the original packaging and in a dry place
Mixing ratio	200 - 250 kg with 1 m <sup>3</sup> aggregates featuring a grade curve from 0 to 8 mm, one 20 kg bag with 140-160 kg of aggregate as necessary for a "wet clay" body without floating water
Mixing water	3 - 5 minutes
Mixing time	40 - 60 minutes
Pot life	from 5°C to +35 °C
Application temperature	after 24 hours
Ready for traffic	

Residual humidity after 7 days	< 2%
Waiting time for the installation of ceramic floors	48 hours
Waiting time for the installation of wooden and PVC floors	8 days, after checking by carbide hygrometer

## FINAL PERFORMANCE

	Resistance to compression (N/mm <sup>2</sup> )	Residual humidity %
After 1 day	> 5.0	4
After 3 days	> 10.0	3
After 7 days	> 20.0	2
After 28 days	> 30.0	1

# STARCEM PRONTO 2.0

Ready-for-use screed with fast-medium drying with high thermal conductivity 2.0 W/mK.



## COVERAGE

18 - 20 kg/m<sup>2</sup> every cm of thickness

## CODE

2955025

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Pre-mixed screed based on special binders, selected sands and additives.
- › Mix in the yard with clean water without adding aggregates.
- › High thermal conductivity 2.0 W/mK.
- › With semi-rapid setting, it is ready for traffic after 24 hours and is completely dry 7 - 10 days after the application.
- › It hardens without shrinkage.
- › Ceramic floors can be installed already after 48 hours and parquet can be installed after 7 - 10 days.
- › With very low VOC emissions (EC1 plus).
- › Classification CT C30-F6 A1<sub>fl</sub> according to the European Norm EN 13813.

## USE

- › Preparation of fast-curing screeds, both floating (min. thickness 4 cm) and anchored (by slurry of LATEX G 100, STARCEM, water).
- › Installation of screeds for applying floors in wood, PVC, carpet, linoleum and ceramic tiles.
- › Preparation of screeds enclosing heating coils.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Deformability	not deformable
Apparent volume mass	1.5 g/cm <sup>3</sup>
Storage	12 months in the original packaging and in a dry place
Mixing ratio	1.7 l of water every 25 kg
Mix volume mass	2.00 g/cm <sup>3</sup>
Mixing time	3 - 4 minutes
Pot life	40 - 60 minutes
Thermal conductivity	2.00 W/mK
Application temperature	from 5°C to 35°C
Ready for foot traffic	after 12 hours
Waiting time for the installation of ceramic floors	48 hours
Waiting time for the installation of wooden and PVC floors	7 days

## FINAL PERFORMANCE

	Resistance to compression (N/mm <sup>2</sup> )	Resistance to flexure (N/mm <sup>2</sup> )	Residual Humidity %
After 1 day	> 15.0	> 4.0	4
After 3 days	> 20.0	5.0	3
After 7 days	> 25.0	> 6.0	2
After 28 days	> 30.0	> 6.0	1

# ALS 80 RAPID

Self-levelling product with ultrarapid setting for thickness from 3 to 30 mm.



## COVERAGE

1.4 kg/m<sup>2</sup> every mm of thickness

## CODE

2922025

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Grey powder product based on rapid setting cements, selected graded sands, synthetic resins and additives making the drying remarkably faster.
- › Self-levelling product for indoor application, easy to work and to apply and with an excellent adhesiveness.
- › For thickness from 3 to 30 mm in a single coat.
- › It evenly hardens in a few hours without shrinkage.
- › Highly resistant to compression and abrasion.
- › Suitable for levelling substrates before tiling.
- › With very low VOC emissions (EC1 plus).
- › Classification CT C35-F7 A2fl-S1 according to the European Norm EN 13813.

## USE

- › Levelling of cementitious substrates for thickness from 3 to 30 mm.
- › Levelling before the installation of ceramic tiles, natural stones, wood, PVC and carpet.
- › Levelling of suitably prepared existing floors (after application of ADEGRIP ECO).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Apparent volume mass	1.1 g/cm <sup>3</sup>
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4.5 - 4.75 l of water every 25 kg
Pot life	30 minutes
Mix volume mass	2.0 g/cm <sup>3</sup>
Mix pH	12
Workability time	30 - 40 minutes
Setting time	60 - 90 minutes
Application temperature	from +5°C to +35°C
Ready for traffic	after 3 hours
Time necessary before bonding	from 1 days to 3 days depending on the thickness and on the temperature

## FINAL PERFORMANCE

Resistance to compression: after 1 day	20.0 N/mm <sup>2</sup>
after 7 days	30.0 N/mm <sup>2</sup>
after 28 days	37.0 N/mm <sup>2</sup>
Resistance to flexure: after 1 day	3.5 N/mm <sup>2</sup>
after 7 days	5.0 N/mm <sup>2</sup>
after 28 days	8.0 N/mm <sup>2</sup>
Resistance to abrasion after 28 days	0.7 g
Brinell hardness after 28 days	75.0 N/mm <sup>2</sup>

# AL 70 RAPID

Self-levelling product with ultrarapid setting for thickness up to 10 cm.



## COVERAGE

1.4 kg/m<sup>2</sup> every mm of thickness

## CODE

2921025

## COLOUR

Beige

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Grey powder product based on rapid setting cements, selected graded sands, synthetic resins and additives making the drying remarkably faster.
- › Self-levelling product for indoor applications, easy to work and to apply, smooth and calibrated surface.
- › For thickness up to 10 mm in a single coat.
- › It evenly hardens in a few hours without shrinkage.
- › Highly resistant to compression and abrasion.
- › Suitable for levelling substrates before tiling.
- › With very low VOC emissions (EC1 plus).
- › Classification CT C30-F7 A2<sub>fl-S1</sub> according to the European Norm EN 13813.

## USE

- › Levelling of cementitious substrates for thickness up to 10 mm.
- › Levelling before the installation of ceramic tiles, natural stones, wood, PVC and carpet.
- › Levelling of suitably prepared existing floors (after application of ADEGRIP ECO).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	beige
Storage	12 months in the original packaging in a dry place
Apparent volume mass	1.1 g/cm <sup>3</sup>
Mixing ratio	5.75 - 6.0 l of water every 25 kg
Pot life	30 minutes
Mix volume mass	1.9 g/cm <sup>3</sup>
Mix consistency	very fluid, self-levelling
Mix pH	12
Workability time	20 - 30 minutes
Setting time	45 - 60 minutes
Application temperature	from +5°C to +35°C
Ready for traffic	after 3 - 4 hours

## Time necessary

before bonding 12 hours

## FINAL PERFORMANCE

Resistance to compression after 1 day	15.0 N/mm <sup>2</sup>
after 7 days	22.0 N/mm <sup>2</sup>
after 28 days	32.0 N/mm <sup>2</sup>
Resistance to flexure after 1 day	3.5 N/mm <sup>2</sup>
after 7 days	6.0 N/mm <sup>2</sup>
after 28 days	9.0 N/mm <sup>2</sup>
Resistance to abrasion after 28 days	0.7 g (as weight loss)
Brinell hardness after 28 days	75.0 N/mm <sup>2</sup>

# ADEPLAN THERMO

Cementitious levelling product with high thermal conductivity (1.70 W/mK) for thickness from 3 to 40 mm, indicated for floor heating systems with low thickness. Very low emission of volatile organic compounds (EC1 plus).



## COVERAGE

1.8 kg/m<sup>2</sup> every mm of thickness

## CODE

1495125AD

## COLOUR

Beige

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Hazel-grey powder product based on rapid setting cements, selected graded sands, reinforcing fibres, synthetic resins and additives.
- › Mixed with water only, it allows to obtain an extremely fluid self-levelling product with rapid drying.
- › Self-levelling product, easy to use and apply, allows applications from 3 to 40 mm in one coat.
- › Its high thermal conductivity and the mechanical performance make it suitable for the construction of installation substrates with low thickness underfloor heating and cooling systems.
- › Thanks to its technology it allows to obtain radiant floors with a high performance and low thermal inertia.

- › The product is intended for indoor use only and has a very low VOC content (EC1 plus).
- › Classification CT C20-F4 A1fl according to the European Norm EN 13813.

## USE

- › Levelling of traditional substrates with thickness from 3 to 40 mm, such as heating cementitious screeds.
- › Realization of screeds incorporating thin heating systems, positioned above old cementitious screeds or tiles.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	beige
Powder volume mass	1.3 g/cm <sup>3</sup>
Storage	12 months in the original packaging and in a dry place
Mixing ratio	4.0 - 4.5 l of water every 25 kg
Pot life	30 minutes
Mix volume mass	2.1 g/cm <sup>3</sup>
Mix pH	> 12
Workability time	30 - 40 minutes
Initial setting time	50 minutes
Final setting time	90 minutes
Application temperature	from +5°C to +35°C
Ready for traffic	after 4 hours

Waiting time for the installation

from 4 days to 8 weeks  
depending on the thickness

## FINAL PERFORMANCE

Resistance to compression:	
after 1 day	13.0 N/mm <sup>2</sup>
after 7 days	16.0 N/mm <sup>2</sup>
after 28 days	21.0 N/mm <sup>2</sup>
Resistance to flexure: after 1 day	
after 7 days	2.0 N/mm <sup>2</sup>
after 28 days	3.0 N/mm <sup>2</sup>
Resistance to abrasion after 28 days	
	3.7 g (as weight loss)
Brinell hardness after 28 days	100 N/mm <sup>2</sup>

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## APPLICATION CYCLE

### CREATION OF A THIN RADIATING FLOOR IN THE RENOVATION OF A HOME WITHOUT DEMOLISHING.

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#### USED ADESITAL PRODUCTS:

- › ADEGRIP ECO
- › ADEPLAN THERMO
- › ADEFLEX GREEN LIGHT S1



01

Old floor in a home with traditional heating.



02

Application of the adhesion primer **ADEGRIP ECO**.



03

Installation with fixing of thin radiating panels.



04

Positioning the heating coil.



05

Application of **ADEPLAN THERMO** to incorporate the panels and the heating coil inside it.



06

**ADEPLAN THERMO** has high fluidity: it facilitates the covering of the panels and, with a thickness of only 5 mm above them, a substrate suitable for the installation can be obtained.



07

Application of the cementitious adhesive **ADEFLEX GREEN LIGHT S1** on the dry substrate. Installation of the new ceramic tiles.



08

Installation of porcelain stoneware slabs.



# ADEPLAN RD 100

Universal levelling grout with super adhesion.  
Available in two different grain sizes:  
fine G6 (0.6 mm) - coarse G8 (0.8 mm).



## COVERAGE

1.6 kg/m<sup>2</sup> every mm of thickness

PRODUCT	CODE	COLOUR	PACKAGE
G6	2966525	White	25 kg bag
G6	2966025	Grey	25 kg bag
G8	2224625AD	White	25 kg bag
G8	2224525AD	Grey	25 kg bag

## PRODUCT FEATURES

- › Powder levelling grout based on cement, synthetic binders, special sands and additives.
- › Excellent applicability and workability.
- › Excellent adhesiveness on all substrates.
- › It can be applied with thickness of 3 mm every coat.
- › In two different finishing degrees: fine white coat G6 (0.6 mm); medium white coat G8 (0.8 mm).
- › For indoor and outdoor use.
- › It enables to obtain substrates ready for any finishing, without previously removing the whole old coating, remarkably saving costs and time.
- › Classification **GP CSIV** according to the European Norm **EN 998-1** and **MC-IR** according to the European Norm **EN 1504-2(C)**.

## USE

- › Levelling of old mosaic tiling, if consistent and solid.
- › Levelling of well fixed and consistent plastic or mineral wall tiling.
- › Levelling of even painted renders based on lime and cement.
- › Levelling of cementitious renders.
- › Levelling of concrete.
- › Levelling of substrates in wood.
- › Levelling before the installation of ceramic tiles.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Apparent volume mass	1.3 g/cm <sup>3</sup>
Grain size	fine: 0.6 mm - coarse: 0.8 mm
Storage	12 months in the original packaging and in a dry place
Inflammability	no

## APPLICATION DATA

Mixing ratio	
	ADEPLAN RD 100 G6 5.0 - 5.75 l of water every 25 kg
	ADEPLAN RD 100 G8 4.5 - 5.0 l of water every 25 kg
Mix volume mass	1.9 g/cm <sup>3</sup>
Coat thickness	3 mm
Pot life	2 hours
Applicability	excellent
Application temperature	from +5°C to +35°C

Setting time at 23°C	3.5 - 4.5 hours
Setting time at 5°C	9 - 14 hours
Waiting time between coats	30 minutes
Waiting time for the float finishing	15 minutes
Waiting time for the painting	3 - 4 weeks
Waiting time for the installation of wall ceramic tiles	7 days

## FINAL PERFORMANCE

Adhesion on concrete after 28 days	> 2.0 N/mm <sup>2</sup>
Resistance to flexure after 28 days	> 7.0 N/mm <sup>2</sup>
Resistance to compression after 28 days	> 25.0 N/mm <sup>2</sup>
Dynamic elastic module	7000 - 11000 N/mm <sup>2</sup>

# ADEPLAN RD 120

Levelling, waterproofing grout with high adhesion for plastic coating and concrete. Available in two different grain sizes: fine G6 (0.6 mm) - coarse G10 (1.0 mm).



## COVERAGE

1.3 kg/m<sup>2</sup> every mm of thickness



PRODUCT	CODE	COLOUR	PACKAGE
G6	2224925AD	White	25 kg bag
G6	2224825AD	Grey	25 kg bag
G10	2228625AD	White	25 kg bag
G10	2228925AD	Grey	25 kg bag

## PRODUCT FEATURES

- › Powder waterproofing and levelling grout based on cement, silica sands, synthetic binders and special additives.
- › Excellent applicability, workability and adhesion.
- › It can be applied with thickness of 3 mm every coat.
- › In two different finishing degrees: fine white coat G6 (0.6 mm) and coarse white coat G10 (1.0 mm), in white and grey.
- › It enables to obtain substrates ready for any finishing on substrates made up of old concrete or plastic coating, indoors and outdoors.
- › Classification **GP CSIV** according to the European Norm **EN 998-1** and **MC-IR** according to the European Norm **EN 1504-2(C)**.

## USE

- › Levelling before the installation of ceramic tiles.
- › Levelling of well fixed and consistent plastic or mineral old wall tiling.
- › Levelling of old quartz paints, which should be consistent and well bonded.
- › Levelling of cementitious renders.
- › Levelling of concrete.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Powder volume mass	1.3 g/cm <sup>3</sup>
Grain size	0.6 mm (G6) - 1.0 mm (G10)
Storage	12 months in the original packaging and in a dry place
Finishing degree	fine or coarse white coat

## APPLICATION DATA

Mixing ratio

ADEPLAN RD 120 G6 5.0 - 5.75 l of water every 25 kg  
ADEPLAN RD 120 G10 4.75 - 5.5 l of water every 25 kg

Mix volume mass	1.7 g/cm <sup>3</sup>
Coat thickness	3 mm
Pot life	1 hour
Applicability	excellent
Application temperature	from +5°C to +35°C
Setting time	3 - 8 hours

Waiting time between coats	30 minutes
Waiting time for the float finishing	15 minutes
Waiting time for the painting	7 days
Waiting time for the installation of wall ceramic tiles	7 days

## FINAL PERFORMANCE

Adhesion on concrete after 28 days	> 1.0 N/mm <sup>2</sup>
Adhesion on plastic coating	> 1.0 N/mm <sup>2</sup>
Resistance to compression after 28 days	> 16.0 N/mm <sup>2</sup>
Resistance to flexure after 28 days	> 4.0 N/mm <sup>2</sup>
Pressure waterproofing expressed as permeability coefficient	W < 0.1 - Class III
Vapour permeability coefficient (vapour permeable)	SD < 0.5 Class I
Water absorption by capillarity	W2 (≤ 0.2)
Fire reaction	E

# ADEPLAN RD 80

Highly resistant levelling grout for concrete and cementitious substrates.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

2950025

## COLOUR

White

## PACKAGE

25 kg bag

2951025

Grey

25 kg bag

## PRODUCT FEATURES

- › Powder levelling grout based on cements, selected grain size aggregates, resins and additives.
- › Excellent application and thixotropy for an easier wall application.
- › Excellent adhesiveness on concrete.
- › White coat finishing.
- › It enables to obtain substrates ready for any finishing on cementitious substrates or concrete, indoors and outdoors.
- › Classification **GP CSIV** according to the European Norm EN 998-1 and **MC-IR** according to the European Norm EN 1504-2.

## USE

- › Levelling of rendered walls and screeds with irregular surface, before installing ceramics, decorations or painting.
- › Levelling of new or old concrete walls, prefabricated panels, joints between predalles slabs.
- › It can be coated with both mineral and synthetic paints or decorating coats.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Finishing degree	white coat
Storage	12 months in the original packaging and in a dry place
Mixing ratio	6.0 - 6.5 l of water every 25 kg
Pot life	2 hours
Mix pH	12
Application temperature	from +5°C to +35°C
Coat max. thickness	3 mm
Waiting time between coats	30 minutes
Waiting time for the float finishing	15 minutes
Waiting time for the painting	3 - 4 weeks

## FINAL PERFORMANCE

Resistance to compression	> 12.0 N/mm <sup>2</sup>
Resistance to flexure	> 6.0 N/mm <sup>2</sup>
Adhesion on concrete	> 1.0 N/mm <sup>2</sup>

# ADEPLAN RF 60

Ultra-white, extra-fine levelling grout for render and concrete walls with smooth finishing.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

222820AD

## COLOUR

White

## PACKAGE

20 kg bag

## PRODUCT FEATURES

- › Extra-white powder levelling grout based on cement, lime, Carrara marble with controlled and guaranteed white shade, resins and additives.
- › Thickness up to 3 mm every coat.
- › For indoor and outdoor applications.
- › Easy to sandpaper, for a perfectly smooth finishing.
- › It is featured by an excellent application and thixotropy for an easier wall application.
- › Classification **GP CSIV** according to the European Norm **EN 998-1**.

## USE

- › Levelling of renders based on lime and cement.
- › Levelling of ADESAN line restoration renders.
- › Levelling of concrete walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7.8 - 8.6 l of water every 20 kg
Pot life	2 hours
Mix pH	12
Application temperature	from +5°C to +35°C
Coat max. thickness	3 mm
Waiting time between coats	30 minutes
Waiting time for the float finishing	15 minutes
Waiting time for the painting	3 - 4 weeks

## FINAL PERFORMANCE

Resistance to compression	> 6.0 N/mm <sup>2</sup>
Resistance to flexure	> 3.0 N/mm <sup>2</sup>
Adhesion on concrete	> 0.4 N/mm <sup>2</sup>

# ADEPLAN RC 70

Lime-cement based levelling grout for fresh and cured renders. White coat finishing.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

2232125

## COLOUR

White

## PACKAGE

25 kg bag

2231125

Grey

25 kg bag

## PRODUCT FEATURES

- › Powder levelling grout for renders composed of hydraulic and aerial binders, marble and quartz sands, special additives and resins.
- › Fine white coat finishing.
- › Thickness up to 3 mm.
- › It is featured by an excellent application and workability for an easier application on traditional and pre-mixed, fresh or cured, substrate raw renders.
- › Classification **GP CSIV** according to the European Norm **EN 998-1**.

## USE

- › Finishing of traditional or pre-mixed renders based on lime-cement with the "wet on wet" technique.
- › Finishing of traditional or pre-mixed cured renders based on lime-cement.
- › It can be coated with both mineral and synthetic paints or thin film coats.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white / grey
Finishing degree	fine white coat
Storage	12 months in the original packaging and in a dry place
Mixing ratio	6.8 - 7.3 l of water every 25 kg
Pot life	2 hours
Mix pH	12
Application temperature	from +5°C to +35°C
Max. thickness	3 mm
Waiting time between coats	30 minutes
Waiting time for the float finishing	15 minutes
Waiting time for the painting	3 - 4 weeks

## FINAL PERFORMANCE

Resistance to compression after 28 days	5.0 N/mm <sup>2</sup>
Resistance to flexure after 28 days	> 3.0 N/mm <sup>2</sup>
Adhesion on cured substrates after 28 days	> 0.5 N/mm <sup>2</sup>

# ADEPLAN RC 170

NEW

Lime-cement based levelling grout with excellent white shade and workability, for fresh and cured renders. White coat finishing.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

2231225

## COLOUR

White

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Powder levelling grout for renders composed of hydraulic and aerial binders, marble and quartz sands, special additives and resins.
- › Fine white coat finishing.
- › Thickness up to 3 mm.
- › It is featured by a improved application and workability for an easier application on traditional and pre-mixed, fresh or cured, substrate raw renders.
- › Classification **GP CSIII** according to the European Norm EN 998- 1.

## USE

- › Finishing of traditional or pre-mixed renders based on lime-cement with the "wet on wet" technique.
- › Finishing of traditional or pre-mixed cured renders based on lime-cement.
- › It can be coated with both mineral and synthetic paints or thin film coats.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Storage	12 months (in the original packaging and in a dry place)
Mixing ratio	5.5 - 6.0 l of water every 25 kg bag
Pot life	2 hours
Application temperature	from +5°C to +35°C
Mix pH	> 12
Max. thickness	3 mm
Waiting time between coats	30 minutes
Waiting time for the float finishing	15 minutes
Waiting time for the painting	3 - 4 weeks

## FINAL PERFORMANCE

Finishing degree	fine white coat
Resistance to compression	4 N/mm <sup>2</sup>
Adhesion to cured substrates	> 0.5 N/mm <sup>2</sup>

# ADEPLAN RASA FINE

White, extra-fine levelling grout for render and concrete walls with smooth finishing.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

2228320AD

## COLOUR

White

## PACKAGE

20 kg bag

## PRODUCT FEATURES

- › White powder levelling grout composed of cement, lime, Carrara marble with controlled white shade, resins and additives.
- › Thickness up to 3 mm every coat.
- › For indoor and outdoor applications.
- › Easy to sandpaper, for a perfectly smooth finishing.
- › It is featured by an excellent application and thixotropy for an easier wall application.

## USE

- › Levelling of renders based on lime and cement.
- › Levelling of ADESAN line restoration renders.
- › Levelling of smooth concrete indoors.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	white
Storage	12 months in the original packaging and in a dry place
Mixing ratio	7.4 - 7.8 l of water every 20 kg
Mix volume mass	1.60 g/cm <sup>3</sup>
Pot life	2 hours
Mix pH	> 12
Application temperature	from +5°C to +35°C
Coat thickness	3 mm

# ADERIP

Epoxy grout for bonding new on old concrete and for monolithic sealing of screed cracks.



## COVERAGE

Bonding new on old concrete:	0.5 - 2.0 kg/m <sup>2</sup>
Crack sealing:	1.35 kg every l of cavity to be filled

## PRODUCT CODE COLOUR PACKAGE

Comp. A	152102AD	Grey	1.5 kg drum
Comp. B	153102AD	Grey	0.5 kg drum

## PRODUCT FEATURES

- › Two-component epoxy adhesive, to be mixed at the application.
- › Ideal for bonding new on old concrete and for monolithic sealing of screed cracks.

## USE

- › Crack sealing on cementitious screeds.
- › Crack sealing in concrete.
- › Creating monolithic joining between new and old concrete.
- › Bonding new on old concrete on damaged industrial flooring.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Component A	Component B
Appearance	fluid paste	fluid paste
Colour	grey	grey
Mixing ratio	3	1
Storage	24 months in the original packaging at temperature higher than +5°C	
Mix volume mass	1.35 g/cm <sup>3</sup>	
Brookfield viscosity	4,500 mPa.s	
Workability time at +23°C	60 minutes	
Workability time at 30°C	30 minutes	
Open time at +10°C	5-6 hours	

Open time at +23°C	3-4 hours
Open time at +30°C	1.5-2.5 hours
Min. application temperature	+5°C
Final hardening	after 15 days at +20°C

## FINAL PERFORMANCE

Adhesion to concrete	3.0 N/mm <sup>2</sup> (concrete failure)
Resistance to compression	70.0 N/mm <sup>2</sup>
Compression elastic module	3000 N/mm <sup>2</sup>



# ADURIT

Hardener for cementitious screeds.



## COVERAGE

about 0.5 - 0.7 kg/m<sup>2</sup>, depending on porosity

## CODE

109125AD

## COLOUR

-

## PACKAGE

25 kg drum

## PRODUCT FEATURES

- › Ready-for-use product based on silicates that, applied on cement products, increases the surface hardness and compactness, with anti-dust and porosity reducing effect.
- › Hardness and resistance gradually increase in time by about 30% compared to the initial values.

## USE

- › Hardening of porous or crumbling old and new cementitious screeds.
- › Stone patches in concrete items.
- › Anti-dust for wear-subject slabs.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	transparent
Storage	24 months in the original packaging and in a dry place
Volume mass	1.0 g/cm <sup>3</sup>
Drying	24 hours
Application temperature	from +5°C to +35°C

# PRIMER GS

Synthetic resin based primer in water dispersion.



## COVERAGE

150 - 200 kg/m<sup>2</sup>, depending on porosity  
of the surface to be treated

## CODE

020125AD

020105AD

## COLOUR

Light blue

Light blue

## PACKAGE

25 kg drum

5 kg drum

## PRODUCT FEATURES

- › Ready-for-use primer based on synthetic resins in water dispersion with high penetration.
- › Suitable for the strengthening and insulation of cementitious substrates.
- › It prevents unwished and harmful chemical reactions between layers of varied nature.

## USE

- › Insulating treatment of gypsum or anhydrite surfaces prior to applying cementitious adhesives.
- › Absorption reduction of porous surfaces.
- › Strengthening of crumbling surfaces.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	light blue
Storage	12 months in the original packaging PROTECT AGAINST FROST
Volume mass	1.01 g/cm <sup>3</sup>
pH	8
Solid residue	20%
Application temperature	from +5°C to +35°C
Drying time	2 hours

## FINAL PERFORMANCE

Resistance to humidity	good
Resistance to aging	excellent
Resistance to solvents and oils	fair
Resistance to acids and alkali	fair

# PRIMER P1 ECO

Single-component polyurethane primer for waterproofing and strengthening cementitious screeds.



## COVERAGE

0.2 - 0.4 kg/m<sup>2</sup> every coat

## CODE

2330010

## COLOUR

Brown

## PACKAGE

10 kg drum

## PRODUCT FEATURES

- › Single-component polyurethane primer that hardens with the humidity in the screed and in the air.
- › The product is totally free of solvents, odourless and non-flammable, thus it can also be used close to occupied rooms.
- › Low viscosity and high penetration in the substrate.
- › With very low VOC emissions (EC1 plus).

## USE

- › Strengthening of cementitious screed with poor mechanical resistance due to lack of binder or non-suitable curing.
- › Waterproofing of screeds (with 5% max. humidity) before parquet installation.
- › Anti-dust treatment for cementitious and anhydrite screeds with inconsistent surface.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	brown
Storage	12 months in the original packaging
Volume mass	1.05 g/cm <sup>3</sup>
Max. residual humidity allowed for waterproofing	5% measured by hygrometer (for screed thickness of about 6 cm)
Solid content	100%
Hazard classification according to the 1999/45/EC directive	harmful
Before using, check the information on the package and on the safety sheet	

## APPLICATION DATA

Application temperature	from +5°C to +35°C
No more sticky	after 2 - 3 hours
Ready for foot traffic	after 2 - 3 hours
Final hardening	after 24 hours
Waiting time between coats	min. 3 hours max. 24 hours
Min. waiting time before the following applications on the last coat spread with sand	24 - 36 hours

# ADEGRIP ECO

Adhesion primer based on dispersion polymers, free of solvents.



## COVERAGE

200 - 300 g/m<sup>2</sup>

## CODE

1560105AD

## COLOUR

Grey

## PACKAGE

5 kg drum

## PRODUCT FEATURES

- › Super adhesive primer based on polymers in water dispersion and selected sands, free of solvents.
- › For indoor and outdoor floor and wall applications.
- › Recommended as bonding layer on non-absorbing, smooth and compact substrates before applying self-levelling grouts, renders, smoothing or bonding products for ceramics and natural stones.
- › With very low VOC emissions (EC1 plus).

## USE

Preparation of substrates made up of:

- › Glazed ceramic, marbles and natural stones.
- › Levelled concrete and/or treated with epoxy paints.
- › Residues of old adhesives for wood, PVC, linoleum, carpet.
- › Chipboard and multi-layer panels.
- › Metal.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	creamy liquid
Colour	grey
Storage	24 months in the original packaging PROTECT AGAINST FROST
Application temperature	from +5°C to +30°C
Operating temperature	from -30°C to +90°C
Waiting time for applying levelling and smoothing products	from 15 to 60 minutes



# WATERPROOFING

07

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# ADEPROOF ELASTOCEM

Two-component flexible, waterproofing and protective cementitious grout.



## COVERAGE

1.7 kg/m<sup>2</sup> every mm of thickness

PRODUCT	CODE	COLOUR	PACKAGE
Comp. A	2940024	-	24 kg bag
Comp. B	2940508	-	8 kg drum
Liquid only	2940558	-	8 kg drum

## PRODUCT FEATURES

- › Two-component grout, based on cements, selected aggregates, additives and special synthetic polymers in water dispersion which ensure flexibility and waterproofing.
- › Mixing the two components produces a mix that is easy to apply on horizontal and vertical surfaces, in two coats up to 2 mm thick per coat.
- › After the hardening, it creates a protective, waterproof and flexible coat, resistant to aggressive agents.
- › Thanks to the high content of synthetic resins and to their quality, it features an excellent adhesion on all the concrete, brick and ceramic surfaces.
- › Ideal for creating waterproofing membranes before the installation of ceramic floor tiles.
- › Classification **CMO2P** according to the European Norm **EN 14891**; it is conform to the European Norm **EN 1504-2**, principles **PI-MC-IR**.

## USE

- › Realization of waterproofing membranes before the installation of ceramic tiles indoors and outdoors in bathrooms, showers, balconies and swimming-pools.
- › Flexible and waterproof protection of concrete surfaces and of renders.
- › Waterproof and protective coating of concrete surfaces subject to chemical aggressions, such as anti-frost salts, sulphates, etc.
- › Waterproof and flexible levelling of micro-cracked renders.
- › Flexible levelling of concrete structures with thin sections, thus subject to load strain (e.g. prefabricated structures).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Component A	Component B
Appearance	powder	liquid
Colour	grey	white
Volume mass	1.4 g/cm <sup>3</sup>	1.1 g/cm <sup>3</sup>
Solid residue	100%	50%
Storage	12 months	24 months
Mix colour		grey
Mixing ratio Comp. A: Comp. B		3 : 1
Pot life		60 minutes
Consistency		plastic / easy to apply
Volume mass		1.7 g/cm <sup>3</sup>
Application temperature		from 8°C to 30°C
Coat max. thickness		2 mm

Waiting time between coats	4 - 5 hours
Waiting time for the installation of ceramic tiles	5 days

## FINAL PERFORMANCE

Adhesion to concrete:	
after 28 days, dry	1.0 N/mm <sup>2</sup>
after 7 days, dry + 21 days, in water	0.7 N/mm <sup>2</sup>
Elongation	20%
Waterproofing	waterproof
Coverage of cracks:	
after 28 days, dry	up to 1 - 1.2 mm
after 7 days, dry + 21 days, in water	0.9 N/mm
after 7 days, dry + 18 months, in water	0.7 N/mm

# ADEPROOF ELASTOCEM RECORD

Two-component rapid, flexible, waterproofing and protective cementitious grout.



## COVERAGE

0.8 kg/m<sup>2</sup> every mm of thickness

## PRODUCT CODE COLOUR PACKAGE

PRODUCT	CODE	COLOUR	PACKAGE
Comp. A	1676120AD	-	20 kg bag
Comp. B	1676216AD	-	16 kg drum

## PRODUCT FEATURES

- Two-component grout, based on cements, selected aggregates, special additives and synthetic polymers in water dispersion which ensure flexibility and waterproofing.
- Rapid hardening even at low temperatures and on substrates that are not completely dry, provided they are well cured.
- Mixing the two components produces a smooth mix that is easy to apply on horizontal and vertical surfaces, in two coats up to 2 mm thick per coat.
- It creates a protective, waterproof and flexible coat, resistant to UV rays and to aggressive agents.
- Thanks to the high content of synthetic resins and to their quality, it features an excellent adhesion on all the concrete, render and ceramic surfaces.
- Ideal for creating waterproofing membranes before the installation of ceramic floor tiles.
- Classification CMO1P according to the European Norm EN 14891; it is conform to the European Norm EN 1504-2, principles PI-MC-IR.

## USE

- Waterproofing of cementitious screeds and renders before the installation of ceramic tiles indoors and outdoors in bathrooms, showers, balconies and sun stone pavements.
- Waterproofing of swimming-pools in "cured" concrete (for more than 6 months) before the installation of ceramic tiling and mosaics.
- Installation on existing ceramic tiling indoors and outdoors; it enables to overlap a new tiling, recovering the waterproofing, without demolishing the old floor.
- Waterproof and protective coating of concrete surfaces and renders subject to chemical aggressions, such as anti-frost salts, sulphates, etc.
- Waterproof and flexible levelling of micro-cracked renders.
- Flexible levelling of concrete structures with thin sections, thus subject to load strain (e.g. prefabricated structures).

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Component A	Component B
Appearance	powder	liquid
Colour	light brown	white
Volume mass	1.3 g/cm <sup>3</sup>	1.04 g/cm <sup>3</sup>
Solid residue	100%	54%
Storage	12 months	24 months in the original packaging in a dry place
Safety	please check the information on the package and on the safety sheet	

## APPLICATION DATA

Mix colour	brown
Mixing ratio Comp. A: Comp. B	1 : 0.8
Pot life	45 minutes

Mix consistency	fluid
Mix volume mass	1.4 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Coat max. thickness	2.2 mm
Waiting time between coats	1 - 2 hours depending on the environmental conditions
Waiting time for the installation of ceramic tiles	12 - 24 hours depending on the environmental conditions

## FINAL PERFORMANCE

Adhesion to concrete	
after 28 days (at +20°C and 50% R.H.)	1.5 N/mm <sup>2</sup>
after 24 hours (at +5°C and 50% R.H.)	0.7 N/mm <sup>2</sup>
after 7 days (at +20°C and 50% R.H.)	
+ 21 days in water	0.7 N/mm <sup>2</sup>



## APPLICATION CYCLE

### WATERPROOFING CYCLE BY ADEPROOF SYSTEM.

#### USED ADESITAL PRODUCTS:

- › ADEBAND
- › ADEPROOF ELASTOCEM
- › ADEPROOF ELASTOCEM RECORD
- › ADEPROOF MONO
- › RFV 150/2
- › ADEPOXY MATERIA
- › ADEPOXY MATERIA TECH
- › FUGAMAGICA 3-20 BIO MATERIA TECH
- › FUGAMAGICA ZEROSEI MATERIA
- › ADESIL MATERIA



01

After a careful cleaning of the substrate, apply the **ADEBAND AUTOADESIVO** in the floor to wall joints and **ADEBAND** template next to the drains.



02

Bond the edges of **ADEBAND** with the chosen **ADEPROOF** grout.



03

Apply a first 2-mm thick coat of **ADEPROOF** grout with the smooth side of the squeegee.



04

Apply the anti-alkali primed fibre glass mesh **RFV 150/2**.



05

Apply a second coat of **ADEPROOF** grout until burying the mesh completely in the grout.



06

After the waterproofing coat has dried, install the tiles with class S1 or S2 deformable adhesives by **ADESITAL**.



**07**  
Install the skirting boards.



**08**  
When the adhesive is dry, grout the ceramic tiles with the sealant **ADEPOXY MATERIA**, **ADEPOXY MATERIA TECH**, **FUGAMAGICA 3-20 BIO MATERIA TECH** or **FUGAMAGICA ZEROSEI MATERIA**.



**09**  
Seal the floor to wall joint carefully with the silicone sealant **ADESIL MATERIA**.



**10**  
The use of **ADEPROOF SYSTEM** enables to renovate balconies and terraces recovering the waterproofing, without demolishing the old floor.

# ADEPROOF MONO

Single-component flexible, fibre-reinforced, waterproofing and protective cementitious grout.



## COVERAGE

1.1 kg/m<sup>2</sup> every mm of thickness

## CODE

1674020AD

## COLOUR

Grey

## PACKAGE

20 kg bag

## PRODUCT FEATURES

- › Single-component grout, based on cements, selected aggregates, synthetic fibres, special additives and acrylic polymers in water dispersion which ensure flexibility and waterproofing.
- › Mixing with water only produces a smooth mix that is easy to apply on horizontal and vertical surfaces, in two coats up to 2 mm thick per coat.
- › After the hardening, it creates a waterproof and flexible coat, resistant to aggressive weather agents.
- › Thanks to the high content of synthetic resins and to their quality, it features an excellent adhesion on all the concrete, brick and ceramic surfaces.
- › Ideal for creating waterproofing membranes before the installation of ceramic floor tiles.
- › Classification **CMO1P** according to the European Norm EN 14891.

## USE

- › Realization of waterproofing membranes before the installation of ceramic floor tiles indoors in bathrooms and showers.
- › Realization of waterproofing membranes before the installation of ceramic floor tiles outdoors on balconies and terraces with medium surface; it enables to overlap a new floor, recovering the waterproofing, without demolishing the old floor.
- › Flexible and waterproof protection of concrete surfaces and of renders.
- › Waterproof and flexible levelling of micro-cracked renders.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Apparent volume mass	1.1 g/cm <sup>3</sup>
Solid residue	100%
Storage	12 months in the original packaging and in a dry place

## APPLICATION DATA

Colour of the dried product	light grey
Mixing ratio	5.4 - 5.8 l of water every 20 kg
Consistency	plastic - easy to apply
Mix volume mass	1.45 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Pot life	60 minutes
Coat max. thickness	2 mm

Max. total thickness	4 mm
Waiting time between coats	2 - 3 hours
Waiting time for the installation of ceramic tiles	2 days

## FINAL PERFORMANCE

Initial adhesion according to EN 14891-A.6.2	> 1.3 Mpa
Adhesion after immersion in water	> 0.6 Mpa
Adhesion after heating	> 1.5 Mpa
Adhesion after frost-thaw cycles	> 0.7 Mpa
Adhesion after immersion in basic water	> 0.7 Mpa
Pressure waterproofing (1.5 bar for 7 days, positive thrust)	no penetration
Crack bridging ability at 20°C	> 0.75 mm
Flexibility after 28 days	15%
Fire reaction	E

# ADEPROOF VISTA

Fibre-reinforced liquid membrane in water emulsion with high reflectance index and thermal emissivity.



## COVERAGE

as waterproofing membrane: 2 kg/m<sup>2</sup>

as finishing on bitumen membranes: 1 kg/m<sup>2</sup>

## CODE

3L010020AD

## COLOUR

White

## PACKAGE

20 kg drum

## PRODUCT FEATURES

- › Ready-to-use white waterproofing product, with high reflectance and thermal emissivity, composed of synthetic resins in water dispersion.
- › It allows an easy application by roller with long bristles, by brush or by spray on horizontal, inclined and vertical surfaces with a thickness of about 1 mm in two coats.
- › After drying, it creates a continuous, elastic waterproofing membrane that lowers the operating temperature of the surface.
- › Solar reflectance index SRI 105.
- › Thanks to its high performance and resistance to UV rays, it can be used outdoors in all weather conditions for long-lasting protection and waterproofing of external surfaces made of concrete, cementitious screeds or screeds based on special binders, ceramics and stone claddings.
- › It is conform to the European Norm EN 1504-2 (C), principles PI-MC-IR.

## USE

- › Waterproofing of cementitious screeds and old ceramic tiles on balconies, terraces and sun stone pavements.
- › To be used as a water barrier to restore waterproofing on old bitumen membranes.
- › To reduce the amount of heat absorbed by buildings and sun stone pavements during exposure to the sun; thanks to its white colour it has high values of reflectance and thermal emissivity.
- › Long-lasting protection of cementitious surfaces subject to weather, atmospheric agents and UV rays.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	paste
Colour	highly reflective white
Storage	24 months in the original packaging and in a dry place
Volume mass	1.35 g/cm <sup>3</sup>
Dry residue	61.4%
Application temperature	from +5°C to +35°C
Coat thickness	0.5 mm
Waiting time between coats	8 - 10 hours
Ready for use	after 48 hours

## FINAL PERFORMANCE

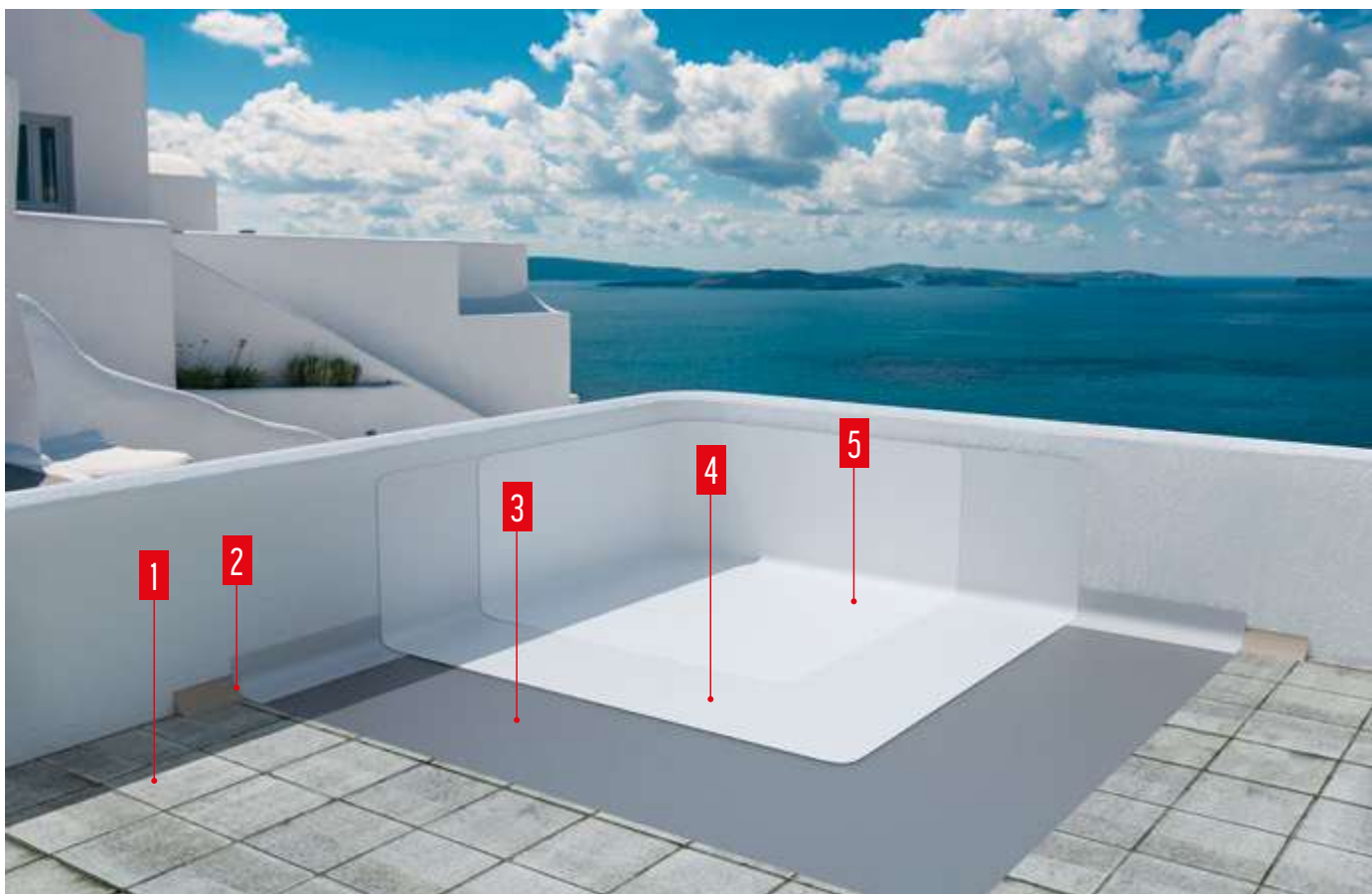
Adhesion on concrete after 28 days	1.2 N/mm <sup>2</sup>
Vapour permeability coefficient (equivalent air th. SD)	1.50 m
Waterproofing (as capillary absorption)	0.025 kg*m <sup>-2</sup> *h <sup>-0.5</sup>
Solar reflectance	80%
Thermal emissivity	90%
SRI (Solar Reflectance Index)	105

## APPLICATION CYCLE

### WATERPROOFING A TERRACE WITH ADEPROOF VISTA WITHOUT ANY DEMOLISHING.

#### USED ADESITAL PRODUCTS:

- › ADEGROUT R6
- › ADERIP
- › ADEBAND AUTOADESIVO
- › ADEGRIP ECO
- › ADEPROOF VISTA



01

Prepare the substrate by accurately washing and cleaning it, eliminating dust, waxes and anything that can compromise the adhesion of the product.

02

Prepare the cove using **ADEGROUT R6** and **ADERIP**.  
After the suitable curing time apply **ADEBAND AUTOADESIVO** in the floor to wall joints.

03

Apply **ADEGRIP ECO** on the tiled surface before applying the waterproofing.

04

Apply the first coat of **ADEPROOF VISTA** with roller with long bristles, brush or airless in a uniform and continuous way. Wait until it is completely dry.

05

Apply the second coat of **ADEPROOF VISTA** so as to cross the previous one and obtain a total dry thickness of at least 1 - 2 mm.

# PRIMER FOR ADEPROOF VISTA

Primer for old bitumen membranes to be applied before ADEPROOF VISTA.



## COVERAGE

0.20 - 0.4 kg/m<sup>2</sup> every coat

## CODE

3A99806AD

## COLOUR

Transparent

## PACKAGE

6 kg can

## PRODUCT FEATURES

- › Primer based on synthetic resins in solvent, ready-for-use with high wetting capacity.
- › Suitable for use in combination with ADEPROOF VISTA liquid waterproofing membrane.

## USE

- › Treatment of old bitumen membranes as adhesion primer before applying the product ADEPROOF VISTA.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	transparent
Storage	24 months in the original packaging
Volume mass	0.96 g/cm <sup>3</sup>
Solid residue	10 %
Application temperature	from +5°C to +35°C
Drying time	5 - 6 hours

# GUAINALASTIC

Waterproofing liquid membrane.



## COVERAGE

1.5 kg/m<sup>2</sup> every mm of thickness

## CODE

124805AD

## COLOUR

Grey

## PACKAGE

5 kg drum

124820AD

Grey

20 kg drum

## PRODUCT FEATURES

- › Ready-for-use paste based on synthetic resins in water dispersion.
- › After the setting, it gives a waterproof and flexible membrane.
- › Waterproof, but vapour permeable.
- › It follows the settling movements and those due to substrate thermal stresses without cracking.
- › It features an excellent resistance to aging, weather agents and UV rays.

## USE

- › Waterproofing of walls and floors of bathrooms and shower stalls before installing ceramic tiles and mosaics.
- › Waterproofing of walls and floors of kitchens and working tops before installing ceramic tiles.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	grey
Storage	24 months in the original packaging PROTECT AGAINST FROST
Volume mass	1.45 g/cm <sup>3</sup>
Dry residue	70%
pH	9
Min. filming temperature	+5°C
Application temperature	from +5°C to +35°C
Complete drying	
(thickness 2 mm at +23°C)	after 5 hours
(thickness 2 mm at +5°C)	after 12 hours

## FINAL PERFORMANCE

Resistance to aging	excellent
Ultimate elongation	180%
Vapour permeability	(μ) 650

# OSMOSTUCK H<sub>2</sub>O

Cementitious waterproofing grout with osmotic action, certified for the contact with drinking water.



## COVERAGE

1.6 kg/m<sup>2</sup> every mm of thickness

## CODE

2941125

## COLOUR

Grey

## PACKAGE

25 kg bag

## PRODUCT FEATURES

- › Pre-mixed powder grout based on cement, selected graded aggregates, special synthetic resins and waterproofing additives.
- › Suitable for the contact with drinking water.
- › Mixed with water only, it gives a fluid grout to be applied by squeegee or brush.
- › Excellent adhesion with the substrate and waterproofing even in light counterthrust.
- › Classification **MC-IR** according to the European Norm EN 1504-2.

## USE

- › Solution of seepage in old and new masonry and concrete buildings.
- › Waterproofing of indoor and outdoor walls in basements, swimming-pools, water tanks, elevator shafts, underground passages, foundation walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	powder
Colour	grey
Apparent volume mass	1.30 g/cm <sup>3</sup>
Storage	12 months in the original packaging and in a dry place
Mixing ratio with brush	6.00 - 6.50 l of water every 25 kg
Mixing ratio with squeegee	5.25 - 5.75 l of water every 25 kg
Mix pH	12
Application temperature	from +5°C to 30°C
Workability time	1 hour
Waiting time for second coat	after 5 - 6 hours (not longer than 24 hours)
Coat max. thickness	2 mm

Ready for use

after 7 days

## FINAL PERFORMANCE

Deformability	not deformable
Resistance to humidity	excellent
Resistance to aging	excellent
Adhesion on concrete	1.5 N/mm <sup>2</sup>



# IDROSIL

Water-repellent primer for building materials based on silicone resins in water solution.



## COVERAGE

0.15 - 0.20 g/m<sup>2</sup> depending on the porosity of the surface to be treated.

## CODE

077105AD

## COLOUR

Transparent

## PACKAGE

5 kg drum

## PRODUCT FEATURES

- › Ready-for-use transparent and colourless non-filmforming primer, for the water-repellent treatment of building materials.
- › It hinders the absorption of humidity and water without creating surface films, thus safeguarding the substrate transpiration.
- › High penetrating capacity in the materials to be protected.
- › It protects the surfaces against the penetration of aggressive weather agents.
- › Waterproof and protective coating of concrete surfaces and renders subject to chemical aggressions, such as anti-frost salts, sulphates, etc.

## USE

- › Water-repellent treatment of external façade brick walls.
- › Protection of natural stone walls.
- › Water-repellent treatment of rendered walls subject to rainwater.
- › Protection of external concrete.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	liquid
Colour	transparent
Storage	24 months in the original packaging PROTECT AGAINST FROST
Volume mass	1 g/cm <sup>3</sup>
Application temperature	from +5°C to +35°C
Drying time	1 - 2 hours

# ADEBAND AUTOADESIVO

Self-sticking product in butyl rubber on non-woven fabric, for flexible joints and edge waterproofing, indoors and outdoors.



CODE	COLOUR	PACKAGE
6600215	-	Roll 15 m x 8.0 cm

## PRODUCT FEATURES

- › Self-sticking tape for the flexible sealing and waterproofing of perimeter joints.
- › Easily positioned thanks to the adhesive strip.
- › Ideal for waterproofing with ADEPROOF products.

## USE

- › Sealing and waterproofing in baths, showers, terraces that are to be tiled with ceramic tiles and natural stones.
- › Flexible waterproofing of joints and wall-wall or floor-wall joints.

# ADEBAND

Polyester reinforced rubber cloth for flexible joints and indoor/outdoor waterproofing.



CODE	COLOUR	PACKAGE
6600150	-	Roll 50 m x 12.5 cm
795601AD	-	Template for through holes 118x118 mm

## PRODUCT FEATURES

- › Polyester reinforced rubber tape for the flexible sealing and waterproofing of expansion joints.
- › Great versatility for every type of waterproofing detail.
- › Ideal for waterproofing with ADEPROOF products.
- › Square element (118x118 mm) in reinforced rubber cloth for the flexible sealing and waterproofing of water drains.

## USE

- › Sealing and waterproofing in baths, showers, terraces that are to be tiled with ceramic tiles and natural stones.
- › Flexible waterproofing of expansion joints and wall-wall or floor-wall joints.

# ADETEX

Non-woven fabric, in polypropylene, for coating waterproof liquid membranes.



CODE	COLOUR	PACKAGE
6600425	Beige	Roll 25 m x 1 m

## PRODUCT FEATURES

- › Non-woven fabric, 50 g/m<sup>2</sup>, beige, composed of thermo-welded polypropylene fibre.
- › Particularly indicated for reinforcing waterproof and protective liquid membranes.
- › Non-stretching, light and easy to cut, ADETEX can be used for waterproofing surfaces with particular geometry.

## USE

- › Micro-reinforcement of waterproof and protective liquid membranes.
- › Suitable for use in combination with ADEPROOF VISTA liquid waterproofing membrane.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	non-woven fabric
Colour	beige
Storage	unlimited
Weight	50 g/m <sup>2</sup>
Tensile strength	1.2 N/m
Ultimate elongation	> 95%

# RETE RFV 150/2

Alkali-resistant glass fibre mesh.



CODE	COLOUR	PACKAGE
1780250	White	Roll 50 m x 1 m

07

## PRODUCT FEATURES

- › Alkali-resistant, primed fibreglass mesh.
- › Suitable for the micro-reinforcement of indoor and outdoor levelled surfaces.
- › Ideal for micro-reinforcement of waterproofing with the ADEPROOF SYSTEM.

## USE

Micro-reinforcement of:

- › Waterproofing with ADEPROOF ELASTOCEM, ADEPROOF ELASTOCEM RECORD, ADEPROOF MONO.
- › Levelling of indoor and outdoor surfaces with ADEPLAN RC 70, ADEPLAN RC 170, ADEPLAN RD 80, ADEPLAN RD 120 and ADEPLAN RD 100.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Colour	white
Storage	unlimited
Mesh dimension	4x4.5 mm
Weight	157 g/m <sup>2</sup>
Resistance to alkali	yes
Breaking load	1850 N
Ultimate elongation	5%

# ADEPROOF SCARICO

## FRONTALE

Corner union in TPE for realizing parapet drains on terraces and balconies.



CODE	COLOUR	PACKAGE
7968105	Ivory	5-piece box
7968005	Copper	5-piece box

### PRODUCT FEATURES

- › Corner union in TPE with rectangular section 57 x 48 mm and length 347 mm.

### USE

- › Realization of parapet drains to eliminate water from terraces and balconies.

## LATERALE - VERTICALE

Kit for realizing a floor drain.



PRODUCT	CODE	COLOUR	PACKAGE
Scarico Laterale	-	-	Box with 1 kit
Scarico Verticale	-	-	Box with 1 kit

### PRODUCT FEATURES

- › Drain pit in PP available with diameters 50 - 75 - 100 mm (vertical drain), and 50 - 75 - 90 - 100 mm (lateral drain), welded with template in PP, 400x400 mm. The template in PP is totally compatible and ensures a perfect hydraulic sealing in the joint between drain pit and waterproofing layer made up of ADEPROOF or GUAINALASTIC.
- › Telescopic extension. It allows the drain height to be adjusted, adapting it to any thickness above the waterproofing layer.
- › "Anti-smell" cap. It totally stops back-flow smells if there is no water.
- › Removable stainless steel grid.

### USE

- › ADEPROOF SCARICO FRONTALE – LATERALE are kits for draining water from terraces, balconies, bathrooms, boiler rooms, laundries, etc.



# INSTALLATION OF WOODEN FLOORS

08

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# ADEWOOD P 31 PLUS



Two-component epoxy-polyurethane adhesive for wooden floors.



## COVERAGE

1 - 1.3 kg/m<sup>2</sup>

## CODE

1331711AD

## COLOUR

Dark brown

## PACKAGE

10 kg drum

1331511AD

Light beige

10 kg drum

## PRODUCT FEATURES

- › Two-component epoxy-polyurethane adhesive, to be mixed at the application.
- › easy to work and to apply.
- › Perfect adhesion between bonded parts.
- › Excellent deformability and waterproofing.

## USE

- › Bonding of wooden floors of all types such as traditional, pre-finished, multilayer and solid parquet
- › Bonding of planks, small planks, lamparquet, laminates
- › Installation of parquet on suitable cementitious substrates and on suitably prepared existing ceramic floors.
- › Installation on heating screed.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

	Comp. A	Comp. B
Appearance	thick paste	fluid paste
Colour	dark brown and light beige	
Volume mass	1.70 g/cm <sup>3</sup>	1.57 g/cm <sup>3</sup>
Storage	24 months (in the original packaging, in a dry place, at a temperature between +10°C and +30°C)	
Mixing ratio	9	1
Mix volume mass	1.66 g/cm <sup>3</sup>	
Pot life	60 minutes	
Application temperature	from +10°C to +30°C	
Open time	60 minutes	
Adjustment time	2 hours	
Ready for traffic	after 24 hours	

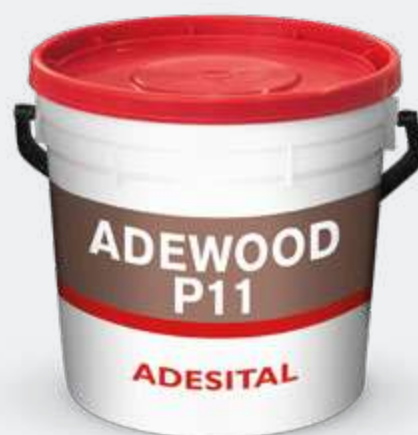
Polishing	after 3 days
Final hardening	after 3 days

## FINAL PERFORMANCE

Operating temperature	from -30°C to +70°C
Deformability	excellent
Shore-A hardness (after 7 days at 23°C)	80
Wood adhesion on concrete	> 3 N/mm <sup>2</sup>
Wood adhesion on ceramic	> 3 N/mm <sup>2</sup>

# ADEWOOD P 11

Single component elastic polyurethane adhesive, free of solvents, for wooden floors.



## COVERAGE

0.8 - 1.0 kg/m<sup>2</sup>

## CODE

244415AD

## COLOUR

Light

## PACKAGE

15 kg drum

## PRODUCT FEATURES

- › Single component polyurethane adhesive based on a water-hardening resin with coverage higher by 30% than traditional two-components adhesives.
- › Excellent smoothness and stability that enable its use even with low temperatures.
- › Very good sound-deadening capacity, thus reducing trampling noise.
- › Indicated for the installation of all types of parquet.
- › With very low VOC emissions (EC1 plus).

## USE

- › Bonding of any type of wooden floors: long and short boards, lamparquet, laminates, pre-finished.
- › Installation of parquet on suitable cementitious substrates and on suitably prepared existing ceramic floors.
- › Installation of parquet on metal and PVC surfaces.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	creamy paste
Colour	light
Solid residue	100%
Brookfield viscosity	43,000 mPa.s (rotor 7 RPM 50)
Storage	12 months in the original packaging
Mixing ratio	ready-for-use product
Mix volume mass	1.50 g/cm <sup>3</sup>
Application temperature	from +10°C to +30°C
Open time	110 minutes
Adjustment time	3 hours
Ready for foot traffic	after 12 hours
Polishing	after 3 days
Ready for traffic when completely dry	min. 3 days

## FINAL PERFORMANCE

Ultimate elongation (7 days at 23°C)	180%
Operating temperature	from -30 °C to 70 °C
Shore-A hardness (after 7 days at 23°C)	58
Wood adhesion on concrete	> 2.5 N/mm <sup>2</sup>
Wood adhesion on ceramic	> 1.8 N/mm <sup>2</sup>

# ADEWOOD SILANICA



Single-component, silylated polymer-based adhesive for wooden floors for pre-finished multi-layered wood and medium-sized solid wood flooring, up to a width of 15 cm.



## COVERAGE

0.8 - 1.0 kg/m<sup>2</sup>

## CODE

0744915AD

## COLOUR

Light

## PACKAGE

15 kg drum

## PRODUCT FEATURES

- › Ready-to-use single-component adhesive based on silylated polymers.
- › Free of water, solvents, epoxy resins or amines, it is easy to clean and its consumption is reduced by approx. 20-30% compared to traditional two-component adhesives thanks to its low viscosity.
- › It creates a perfect adhesion between the bonded parts, with excellent deformability and waterproofing.
- › By properly closing and storing the opened drum, the remaining product can be used for subsequent applications.

## USE

- › Installation of wooden floors for pre-finished multi-layered wood and medium-sized solid wood flooring up to a width of 15 cm.
- › Installation on old wooden floors.
- › Installation on old floors in ceramic, terrazzo tiles and marble.
- › Installation of screeds with under-floor heating.
- › Installation on screeds made with ready STARCEM PRONTO 2.0.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	creamy paste
Colour	light
Mixing ratio	ready-for-use product
Mix volume mass	1.65 g/cm <sup>3</sup>
Solid residue	100%
Storage	12 months (in the original packaging, well closed and in a dry place)
Application temperature	from +10°C to +35 °C
Open time	30 minutes
Adjustment time	90 minutes
Ready for foot traffic	after 12 hours

Polishing	after 3 days
Ready for traffic when completely dry	min. 3 days

## FINAL PERFORMANCE

Ultimate elongation after 7 days at 23°C	100%
Operating temperature	from -10 °C to 70 °C
Shore-A hardness after 7 days at 23°C	50
Wood adhesion on concrete	> 1.2 N/mm <sup>2</sup>
Wood adhesion on ceramic	> 1.0 N/mm <sup>2</sup>





# PROTECTIVE AND DECORATIVE FINISHING

09

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# ADECOR SIL PITTURA

Water-repellent paint based on siloxanic resins, for indoor and outdoor applications. Transpiring and with high protection over time.



## COVERAGE

0.3 - 0.4 kg/m<sup>2</sup> every two applied coats

## CODE

SEE COLOUR CHART

## COLOUR

## PACKAGE

20 kg/12.90 l drum

## PRODUCT FEATURES

- › Wall paint for indoor and outdoor applications, based on siloxanic resins.
- › High and long-lasting protection.
- › Its microporosity makes it transpiring to air and vapour, so that humidity can escape even on dehumidifying cycles, while its water repellency ensures a surface always dry.
- › Resistant to UV rays and all weather conditions, it is not damaged by smog, salt and sunlight.
- › Perfect adhesion to all types of plasters and old paints well bonded to the substrate after the application of ADECOR SIL PRIMER.
- › For painting and protecting external façades in the colours of the ADECOR colour chart.

## USE

- › Painting of new substrates made of cementitious or lime-based plasters that are solid.
- › Painting of old substrates that are consistent and suitably prepared.
- › Painting of old paints and plastic or mineral coatings that are well bonded to the substrate.
- › Coloured finishing on dehumidifying cycles made with products of the ADESAN line.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	white, available colour range in the ADECOR chart or shades upon customer's request
Volume mass	1.55 g/cm <sup>3</sup>
Solid residue	65 %
Storage	24 months in the original packaging, in a dry place and far from heat sources PROTECT AGAINST FROST
Dilution ratio	15 - 25 % of clean water
Application temperature	from +5°C to +35°C
Waiting time between coats	min. 24 hours in normal conditions of humidity and temperature. In any case, always with the first coat dried

## FINAL PERFORMANCE

Colour change after 200 hours of exposure to the Weatherometer	ΔE < 1
Resistance to vapour diffusion (μ)	600
Vapour permeability relative to 0.1 mm of dry thickness (S <sub>b</sub> )	0.06 m
Factor of water absorption by capillarity (W)	0.06 kg/m <sup>2</sup> h <sup>0.5</sup>
Coverage capacity of 10 m <sup>2</sup> /l	Class 4 (> 93%)
Resistance to wet brushing, 200 cycles	Class 2 (< 6 micron)
Brilliance 85°	2.0 (very opaque)
Max. particle size	< 100 micron

# ADECOR SIL RIVESTIMENTO

Siloxanic resin coating with 1.2 mm grain size, for indoor and outdoor application. Water-repellent, transpiring and with high protection over time.



## COVERAGE

1.9 - 2.3 kg/m<sup>2</sup> depending on the roughness of the substrate

## CODE

SEE COLOUR CHART

## COLOUR

## PACKAGE

20 kg drum

## PRODUCT FEATURES

- › Fibre-reinforced wall coating for indoor and outdoor applications based on siloxanic resins in water dispersion and selected particle size additions.
- › High and long-lasting protection.
- › Its microporosity makes it transpiring to air and vapour, so that humidity can escape even on dehumidifying cycles, while its water repellency ensures a surface always dry.
- › Resistant to UV rays and all weather conditions, it is not damaged by smog, salt and sunlight.
- › Perfect adhesion to all types of plasters and old paints well bonded to the substrate after the application of ADECOR SIL PRIMER.
- › 1.2 mm grain size for coating and protecting external façades in the colours of the ADECOR colour chart.
- › Classification **V1 W3 A2-s1 d0** according to the European Norm **EN 15824**.

## USE

- › Wall coating with 1.2 mm grain size of new substrates made of cementitious or lime-based plasters that are solid.
- › Coating of old substrates that are consistent and suitably prepared.
- › Covering of old paints and plastic or mineral coatings that are well bonded to the substrate.
- › Finishing of ADETHERM over-coat insulation systems.
- › Decorating and protecting of concrete walls.
- › Coloured finishing on dehumidifying cycles made with products of the ADESAN line.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	paste
Colour	white, available colour range in the ADECOR chart or shades upon customer's request
Volume mass	1.85 g/cm <sup>3</sup>
Solid residue	80 %
Grain size	1.2 mm
Storage	24 months in the original packaging, in a dry place and far from heat sources PROTECT AGAINST FROST
Dilution ratio	Ready-for-use, possibly add 1 - 2 % of water
Application temperature	from +5°C to +35°C
Re-paintable	after min. 24 hours in normal conditions of humidity and temperature. In any case, always with the first coat dried

## FINAL PERFORMANCE

Vapour permeability (S <sub>v</sub> )	0.09 m Class V1
Factor of water absorption by capillarity (W)	0.04 kg/m <sup>2</sup> h <sup>0.5</sup> Class W3
Adhesion	1.07 N/mm <sup>2</sup>
Adhesion after 20 cycles for durability test	2.06 N/mm <sup>2</sup>
Thermal conductivity	0.93 W/mK



# ADECOR SIL COLORPRIMER



Coloured siloxanic resin based primer, in water dispersion with micro-granular quartz. Evening and filling agent, to be used as a primer for exterior and interior surfaces.



## COVERAGE

0.3-0.5 kg/m<sup>2</sup> every applied coat

## CODE

See price list

## COLOUR

-

## PACKAGE

20 kg/12.66 l drums

## PRODUCT FEATURES

- › Silicone resin based primer in water dispersion with microgranular quartz able to even out the absorption of the substrate and to improve adhesion before applying the paint or coloured siloxane coating.
- › Combined with ADECOR SIL PITTURA or ADECOR SIL RIVESTIMENTO, it makes the treated surface transpiring to air and vapour, so that humidity can escape even on dehumidifying cycles.
- › It has water-repellent characteristics to promote surface resistance to dirt.
- › It favours the coverage of the coloured finish, facilitating the uniformity of the final result, in the different colour tones present in the ADECOR colour chart.
- › Excellent to apply before painting or coloured coating on new and/or old renders.

## USE

- › Always use for priming wall surfaces (e.g. concrete, renders or restoration with cementitious grouts) before applying ADECOR SIL PITTURA or ADECOR SIL RIVESTIMENTO finish.
- › Created to prepare the substrate before the siloxane finish, in over-coated insulation systems ADETERM.
- › Designed for substrate preparation prior to application of the thick siloxanic coat of ADECOR SIL RIVESTIMENTO or ADECOR ACRYLSIL RIVESTIMENTO.
- › Perfect for preparing the surfaces before the siloxane finish in dehumidifying cycles made with ADESAN line products.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	White, range of colours in the ADECOR colour chart or shades upon customer's request.
Volume mass	1.58 g/cm <sup>3</sup>
Solid residue	67%
Storage	24 months (in the original packaging and in a dry place and far from heat sources between +5°C and +30°C)

## APPLICATION DATA

Application temperature	from +5°C to +35°C
Waiting time between coats	min. 24 hours in standard conditions of humidity and temperature. In any case, always with the first coat dried.
Water vapour diffusion resistance factor $\mu$ (EN ISO 7783)	300
Vapour permeability relative to 0.15 mm of dry thickness (Sd) (EN ISO 7783)	0.04 m
Factor of water absorption by capillarity W (EN 1062-3)	0.24 kg/m <sup>2</sup> h <sup>0.5</sup>
VOC content (European Directive 2004/42/EC) white ready for use	≤ 20 g/l
VOC content (European Directive 2004/42/EC) coloured ready-for-use	≤ 30 g/l

# ADECOR SIL PRIMER

Primer based on siloxanic resins in water dispersion that unifies the absorption of the substrate and maintains the substrate transpiring, thus improving the adhesion of siloxanic coloured finishes.



## COVERAGE

0.1 - 0.2 kg/m<sup>2</sup>

## CODE

7C099510AD

## COLOUR

Transparent

## PACKAGE

10 kg/9.9 l drum

## PRODUCT FEATURES

- › Primer based on siloxanic resins in water dispersion.
- › It guarantees the dust consolidation and improves the adhesion on the wall surfaces to be treated.
- › It creates an absorbing and consolidating effect before the application of the coloured finish.
- › It maintains the masonry transpiring before the application of the coloured finish ADECOR SIL PITTURA and ADECOR SIL RIVESTIMENTO.
- › Odourless, it contains no solvents and can be applied in closed or poorly ventilated areas.

## USE

- › Fixing primer based on siloxanic resins in water dispersion, always to be used as preparation of the substrate for wall surfaces (e.g. concrete, plasters or restorations with cementitious grouts).
- › It adjusts and evens the absorption of the substrate before the application of the paint and of the coloured coating ADECOR SIL PITTURA and ADECOR SIL RIVESTIMENTO.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fluid liquid
Colour	transparent
Volume mass	1.01 g/cm <sup>3</sup>
Solid residue	12 %
Storage	24 months in the original packaging, in a dry place and far from heat sources

PROTECT AGAINST FROST

## FINAL PERFORMANCE

Application temperature	from +10°C to +35°C
Waiting time for re-application	12 - 24 hours depending on the humidity and temperature conditions, considering the underlying layer completely dry

# ADECOR ACRYL PITTURA

Acrylic paint in water dispersion with quartz micro-granules for indoor and outdoor applications. Evening and with high protection.



## COVERAGE

0.3 - 0.4 kg/m<sup>2</sup> every two applied coats

## CODE

SEE COLOUR CHART

## COLOUR

## PACKAGE

20 kg/12.90 l drum

09

## PRODUCT FEATURES

- › wall paint for indoor and outdoor applications composed of acrylic resins in water dispersion and micro-granular quartz.
- › High and long-lasting protection.
- › Resistant to UV rays and all weather conditions, it is not damaged by smog, salt and sunlight.
- › Perfect adhesion to all types of plasters and old paints well bonded to the substrate after the application of ADECOR ACRYL PRIMER.
- › Smoothing effect in all ADECOR colours.
- › For painting and protecting external façades.

## USE

- › Painting of new substrates made of cementitious or lime-based plasters that are solid.
- › Painting of old substrates that are consistent and suitably prepared.
- › Painting of old paints and plastic or mineral coatings that are well bonded to the substrate.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	white, available colour range in the ADECOR chart or shades upon customer's request
Volume mass	1.55 g/cm <sup>3</sup>
Solid residue	66 %
Storage	24 months in the original packaging, in a dry place and far from heat sources <b>PROTECT AGAINST FROST</b>
Dilution ratio	15 - 20% of clean water
Application temperature	from +5°C to +35°C
Waiting time between coats	min. 24 hours in normal conditions of humidity and temperature. In any case, always with the first coat dried

## FINAL PERFORMANCE

Colour change after 800 hours of exposure to the Weatherometer	ΔE < 2
Vapour permeability relative to 0.1 mm of dry thickness (S <sub>b</sub> )	0.09 m
Factor of water absorption by capillarity (W)	0.58 kg/m <sup>2</sup> h <sup>0.5</sup>
CO <sub>2</sub> permeability factor (μ)	342819
CO <sub>2</sub> permeability resistance relative to 0.15 mm of dry thickness (S <sub>b</sub> )	51 m
Coverage capacity of 10 m <sup>2</sup> /l	Class 4 (> 93%)
Resistance to wet brushing, 200 cycles	Class 1 (< 5 micron)
Brilliance 85°	0.6 (very opaque)
Max. particle size	< 100 micron

# ADECOR ACRYL RIVESTIMENTO

Acrylic coating in water dispersion with 1.2 mm grain size of quartz, for indoor and outdoor applications with high protection.



## COVERAGE

1.9 - 2.3 kg/m<sup>2</sup> depending on the roughness of the substrate

## CODE

SEE COLOUR CHART

## COLOUR

## PACKAGE

20 kg drum

## PRODUCT FEATURES

- › Fibre-reinforced plastic wall coating for indoor and outdoor applications composed of acrylic resins in water dispersion and selected particle size additions.
- › High and long-lasting protection.
- › Resistant to UV rays and all weather conditions, it is not damaged by smog, salt and sunlight.
- › Perfect adhesion to all types of plasters and old paints well bonded to the substrate after the application of ADECOR ACRYL PRIMER.
- › 1.2 mm grain size for coating and protecting external façades in the colours of the ADECOR colour chart.
- › Classification V2 W3 A2-s1 d0 according to the European Norm EN 15824.

## USE

- › Wall coating with 1.2 mm grain size of new substrates made of cementitious or lime-based plasters that are solid.
- › Coating of old substrates that are consistent and suitably prepared.
- › Covering of old paints and plastic or mineral coatings that are well bonded to the substrate.
- › Finishing of ADE THERM over-coat insulation systems.
- › Decorating and protecting of concrete walls.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	paste
Colour	white, available colour range in the ADECOR chart or shades upon customer's request
Volume mass	1.85 g/cm <sup>3</sup>
Solid residue	85 %
Grain size	1.2 mm
Storage	24 months in the original packaging, in a dry place and far from heat sources PROTECT AGAINST FROST
Dilution ratio	Ready-for-use, possibly add 1 - 2 % of water
Application temperature	from +5°C to +35°C

Re-paintable

after min. 24 hours

in normal conditions of humidity and temperature.

In any case, always with the first coat dried

## FINAL PERFORMANCE

Vapour permeability (S <sub>D</sub> )	0.18 m Class V2
Factor of water absorption by capillarity (W)	0.09 kg/m <sup>2</sup> h <sup>0.5</sup> Class W3
Adhesion	0.97 N/mm <sup>2</sup>
Adhesion after 20 cycles for durability test	2.00 N/mm <sup>2</sup>
Thermal conductivity	0.93 W/mK

# ADECOR ACRYLSIL PITTURA



Paint based on siloxanic acrylic polymers. Water-repellent and with high colour fastness, it is ideal for indoor and outdoor application.



## COVERAGE

0.3 - 0.4 kg/m<sup>2</sup> every two applied coats

## CODE

See price list

## COLOUR

-

## PACKAGE

20 kg/12.90 l

drums

## PRODUCT FEATURES

- › Siloxane acrylic wall paint for indoor and outdoor application, which combines the advantages of acrylic paints with those of siloxane paints.
- › Higher vapour permeability and better water repellency than acrylic finishes.
- › Resistant to all climatic conditions, not damaged by smog, salt spray and sunlight.
- › Ideal for durable protection of the substrate over time.
- › It adheres perfectly to all types of plasters and old paints well bonded to the substrate, after the application of ADETOP PRIMER or of ADETOP COLORPRIMER.
- › Particularly effective against algae, moulds and fungi.

## USE

- › Painting of new or old substrates made of cementitious or lime-based plasters that are solid, consistent, not crumbling and suitably cured.
- › To be used on north-facing walls particularly subject to algae, mould and fungi.
- › It provides a lasting prevention of the growth of microorganisms.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	White, range of colours in the ADECOR colour chart or shades upon customer's request.
Volume mass	1.55 g/cm <sup>3</sup>
Solid residue	66 %
Storage	24 months (in the original packaging and in a dry place and far from heat sources between +5°C and +30°C)

## FINAL PERFORMANCE

Colour change after 1000 hours of exposure to the Weatherometer	$\Delta E < 1.5$
Vapour permeability relative to 0.1 mm of dry thickness (Sd) (EN ISO 7783)	0.14 m
Factor of water absorption by capillarity W (EN 1062- 3)	0.15 kg/m <sup>2</sup> h <sup>0.5</sup>
VOC content (European Directive 2004/42/EC) white ready for use	$\leq 5$ g/l
VOC content (European Directive 2004/42/EC) coloured ready-for-use	$\leq 28$ g/l
Resistance to biological attack resistance to mould and fungi (EN 15457)	no growth
Resistance to biological attack resistance to algae (EN 15458)	no growth

# ADECOR ACRYLSIL RIVESTIMENTO



Coating based on siloxanic acrylic polymers. Water-repellent and with high colour fastness, ideal for indoor and outdoor application. Grain size 1.2 mm.



## COVERAGE

1.9 - 2.3 kg/m<sup>2</sup> depending on the roughness of the substrate

## CODE

See price list

## COLOUR

-

## PACKAGE

20 kg drums

## PRODUCT FEATURES

- Fibre-reinforced, acrylic-siloxane wall coating for indoor and outdoor application, with selected particle size additions.
- It combines the advantages of acrylic finishes with those of siloxane ones.
- Resistant to all weather conditions, it is not damaged by smog, salt and sunlight, giving the substrate a durable protection over time.
- The contained fibres make it resistant to small cracks.
- Particularly effective against algae, moulds and fungi.
- Selected grain size of 1.2 mm, available in the shades of the ADECOR colour chart.
- It meets the requirements of EN 15824 (Specifications for external renders and internal plasters based on organic binders).

## USE

- For new or old substrates made of cementitious or lime-based plasters that are solid, consistent, not crumbling and suitably cured.
- Covering of old paints that adhere well to the substrate.
- Finishing of ADETERM over-coated thermal insulation systems.
- Decoration and protection of cementitious substrates and levelling products.
- Used as coloured finish also on north-facing walls or walls particularly subject to algae, mould and fungi.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	paste
Colour	White, range of colours in the ADECOR colour chart or shades upon customer's request.
Volume mass	1.70 g/cm <sup>3</sup>
Solid residue	80 %
Grain size	1.2 mm
Storage	24 months (in the original packaging and in a dry place and far from heat sources between +5°C and +30°C)

## FINAL PERFORMANCE

Colour change after 1000 hours of exposure to the Weatherometer	$\Delta E < 1.5$
Water vapour permeability (Sd) (EN ISO 7783)	0.11 m Class V1 (Sd $\leq 1.14$ m)

Water absorption factor (w) for capillarity (EN 1062-3)

0.05 kg/m<sup>2</sup>h<sup>0.5</sup>  
Class W3 (w  $\leq 0.1$  kg/m<sup>2</sup>h<sup>0.5</sup>)

Adhesion after (EN 1542) Compliant ( $\geq 0.3$  N/mm<sup>2</sup>)

2.63 N/mm<sup>2</sup>

Adhesion after 20 cycles for durability test (EN13687-3)

2.62 N/mm<sup>2</sup>

Compliant ( $\geq 0.3$  N/mm<sup>2</sup>)

Thermal conductivity

0.89 W/mK

VOC content (European Directive 2004/42/EC) white ready for use white < 20 g/l

VOC content (European Directive 2004/42/EC) coloured ready for use

< 30 g/l

Resistance to biological attack

resistance to mould and fungi (EN 15457)

no growth

Resistance to biological attack

resistance to algae (EN 15458)

no growth

# ADECOR ACRYL COLORPRIMER



Coloured acrylic resin based primer, in water dispersion with micro-granular quartz. Evening and filling agent, to be used as a primer for exterior and interior surfaces.



## COVERAGE

0.3-0.5 kg/m<sup>2</sup> every applied coat

## CODE

See price list

## COLOUR

-

## PACKAGE

20 kg/12.66 l

drums

09

## PRODUCT FEATURES

- › Acrylic resin based primer in water dispersion with microgranular quartz able to even out the absorption of the substrate and to improve adhesion before applying the paint or coloured acrylic coating.
- › It favours the coverage of the coloured finish, facilitating the uniformity of the final result, in the different colour tones present in the ADECOR colour chart.
- › Excellent to apply before painting or coloured coating on new and/or old renders.

## USE

- › Always use for priming wall surfaces (e.g. concrete, renders or restoration with cementitious grouts) before applying the ADECOR ACRYL PITTURA or ADECOR ACRYL RIVESTIMENTO coloured finish.
- › Ideal for the preparation of the substrate when building over-coated thermal insulation systems, before the application of the acrylic coating ADECOR ACRYL RIVESTIMENTO in thickness.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	White, range of colours in the ADECOR colour chart or shades upon customer's request.
Volume mass	1.58 g/cm <sup>3</sup>
Solid residue	67%
Storage 24 months (in the original packaging and in a dry place and far from heat sources between +5°C and +30°C)	

## APPLICATION DATA

Application temperature	from +5°C to +35°C
-------------------------	--------------------

Waiting time between coats	min. 24 hours in standard conditions of humidity and temperature. In any case, always with the first coat dried.
Water vapour diffusion resistance factor $\mu$ (EN ISO 7783)	428
Vapour permeability relative to 0.15 mm of dry thickness (Sd) (EN ISO 7783)	0.06 m
Factor of water absorption by capillarity W (EN 1062- 3)	0.53 kg/m <sup>2</sup> h <sup>0.5</sup>
VOC content (European Directive 2004/42/EC) white ready for use	≤ 20 g/l
VOC content (European Directive 2004/42/EC) coloured ready-for-use	≤ 30 g/l

# ADECOR ACRYL PRIMER

NEW

Primer based on acrylic resins in water dispersion that unifies the absorption of the substrate and improves the adhesion of coloured finishes.



## COVERAGE

0.1 - 0.2 kg/m<sup>2</sup>

## CODE

256110AD

## COLOUR

Transparent

## PACKAGE

10 kg/9.9 l drum

## PRODUCT FEATURES

- › Primer based on acrylic resins in water dispersion.
- › It guarantees the dust consolidation and improves the adhesion on the wall surfaces to be treated.
- › It creates an absorbing and consolidating effect before the application of the coloured finish.
- › Odourless, it contains no solvents and can be applied in closed or poorly ventilated areas.

## USE

- › Fixing primer based on acrylic resins in water dispersion, always to be used as preparation of the substrate for wall surfaces (e.g. concrete, plasters or restorations with cementitious grouts).
- › It adjusts and evens the absorption of the substrate before the application of the paint and of the coloured coating ADECOR ACRYL PITTURA and ADECOR ACRYL RIVESTIMENTO.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	fluid liquid
Colour	transparent
Volume mass	1.01 g/cm <sup>3</sup>
Solid residue	15 %
Storage	24 months in the original packaging, in a dry place and far from heat sources PROTECT AGAINST FROST

## FINAL PERFORMANCE

Application temperature	from +5°C to +35°C
Waiting time for re-application	12 - 24 hours depending on the humidity and temperature conditions, considering the underlying layer completely dry



# ADECOR ELASTO PITTURA



Paint based on elastomer acrylic polymers. It provides high surface protection and reduces the risk of cracking due to its high elasticity. For indoor and outdoor use.



## COVERAGE

0.2 - 0.4 kg/m<sup>2</sup> every applied coat

## CODE

See price list

## COLOUR

-

## PACKAGE

20 kg/14.60 l

drums

## PRODUCT FEATURES

- › Indoor and outdoor wall paint based on acrylic resins in water dispersion that generates an elastic layer that is impermeable to water and resistant to all weather conditions.
- › It is not damaged by smog, salt and frost and provides the substrate with low dirt retention and long-lasting protection.
- › To be used as a coloured finish on concrete restoration cycles of the ADEGROUT line.

## USE

- › Suitable for painting of new or old substrates made of cementitious or lime-based plasters that are solid, consistent, not crumbling and suitably cured, with micro-cracks.
- › To be used for the protection of concrete structures and prefabricated concrete elements that develop small deformations under load or show slight cracks.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	White, range of colours in the ADECOR colour chart or shades upon customer's request.
Volume mass	1.37 g/cm <sup>3</sup>
Solid residue	63 %
Storage	24 months (in the original packaging and in a dry place and far from heat sources between +5°C and +30°C)

## FINAL PERFORMANCE

Accelerated ageing resistance (1000 h at Weather-Ometer - colour RAL 7032) (ASTM standard G 155 cycle 1)	ΔE < 2.5
Vapour permeability relative to 0.1 mm of dry thickness (Sd) (EN ISO 7783)	0.5 m
Factor of water absorption by capillarity W (EN 1062-3)	0.01 kg/m <sup>2</sup> h <sup>0.5</sup>
CO <sub>2</sub> permeability factor (μ) (EN 1062-6)	1272581
CO <sub>2</sub> permeability relative to 0.15 mm of dry thickness (Sd) (EN 1062-6)	318 m
VOC content (European Directive 2004/42/EC) white ready for use	≤ 20 g/l
VOC content (European Directive 2004/42/EC) coloured ready-for-use	≤ 30 g/l

# ADESAN PITTURA

White water paint for walls based on synthetic resins for interiors, with high coverage capacity and white shade.



## COVERAGE

0.3 - 0.4 kg/m<sup>2</sup> every two applied coats

## CODE

6L000020AD

## COLOUR

White

## PACKAGE

20 kg/12.12 l drum

## PRODUCT FEATURES

- › Paint for interior walls based on synthetic resins, in water dispersion with high coverage power and white shade.
- › It gives a pleasant smooth, opaque and uniform result.
- › Excellent vapour permeability.
- › It adheres perfectly to all types of plasters, masonry, levelling grouts and old paints well bonded and anchored to the substrate.

## USE

- › Painting of new or old substrates made of cementitious, lime-based or gypsum-based plasters that are solid, consistent, not crumbling and suitably cured.
- › Covering of old interior paints that are well consistent and bonded to the substrate.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	high white shade
Volume mass	1.65 g/cm <sup>3</sup>
Solid residue	65 %
Storage	24 months in the original packaging, in a dry place and far from heat sources PROTECT AGAINST FROST
Dilution ratio	15 - 20% of clean water
Application temperature	from +5°C to +35°C
Waiting time between coats	Min. 6 - 12 hours in standard conditions of humidity and temperature. In any case, always with the first coat dried.

## FINAL PERFORMANCE

Factor of water vapour diffusion resistance (μ)	20
Vapour permeability relative to 0.15 mm of dry thickness (S <sub>D</sub> )	0.003 m
Coverage capacity of 6.9 m <sup>2</sup> /l	Class 2 (> 98%)
Resistance to wet brushing, 40 cycles	Class 5 (79 micron)
Brilliance 85°	< 10 (opaque)
Max. particle size	< 100 micron

# ADETOP CLEANER



Sanitizing detergent for cleaning surfaces deteriorated by algae, moulds and fungi.



COVERAGE	CODE	COLOUR	PACKAGE
0.20 – 1.00 kg/m <sup>2</sup> depending on the roughness of the substrate	7J099401AD	-	1 kg drum

69

## PRODUCT FEATURES

- › Paint for interior walls based on synthetic resins, in water dispersion with high coverage power and white shade.
- › It gives a pleasant smooth, opaque and uniform result.
- › Excellent vapour permeability.
- › It adheres perfectly to all types of plasters, masonry, levelling grouts and old paints well bonded and anchored to the substrate.

## USE

- › Painting of new or old substrates made of cementitious, lime-based or gypsum-based plasters that are solid, consistent, not crumbling and suitably cured.
- › Covering of old interior paints that are well consistent and bonded to the substrate.

TECHNICAL DATA		(at +23°C and 50% R.H.)
Appearance		Liquid
Colour		Transparent
Volume mass		1.01 g/cm <sup>3</sup>
Storage	24 months (in the original packaging and in a dry place) At a temperature between +5°C and 30°C	
AWAY FROM HEAT SOURCES – PROTECT AGAINST FROST		
Dilution ratio	Ready to use or diluted to a maximum of 300% with clean water	
Application temperature	from +5°C to +35°C	
Waiting time between coats	12 – 24 hours anyway when completely dry	

# ADETOP INTERNI

NEW

White, sanitizing, washable and transpiring wall paint for protecting interior walls in damp environments from algae, moulds or fungi.



## COVERAGE

0.3 - 0.4 kg/m<sup>2</sup> depending on the roughness of the substrate

## CODE

6DD000020AD

## COLOUR

White

## PACKAGE

20 kg drum

## PRODUCT FEATURES

- › Water-based wall paint for interiors based on modified acrylic resins with high coverage.
- › Applied to all types of cementitious substrates, based on lime or gypsum, it adheres perfectly and gives a smooth and opaque appearance.
- › Transpiring, washable and it does not retain dirt.
- › Used together with the products of the ADETOP SYSTEM cycle, it makes up a cleaning and protection system for internal wall surfaces, particularly effective against algae, moulds and fungi.

## USE

- › In combination with the ADETOP SYSTEM cycle, for the treatment of old, new or already painted internal walls, as long as they are consistent and not crumbling, with halos, stains, blackening or deterioration of the surfaces due to the proliferation of moulds or algae.
- › On cementitious, lime or gypsum-based substrates in bathrooms, kitchens, cellars and all indoor wet rooms of the house.
- › On "cold" internal walls, where condensate humidity is present.
- › In closed, damp or poorly ventilated areas.
- › In all spaces where you want to keep the environment sanitized, retain dirt very little and prevent the formation of algae, moulds or fungi.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	Thick liquid
Colour	White
Volume mass	1.60 g/cm <sup>3</sup>
Storage	24 months (in the original packaging and in a dry place) At a temperature between +5°C and 30°C AWAY FROM HEAT SOURCES – PROTECT AGAINST FROST
Dilution ratio	15 - 20% of clean water
Application temperature	from +5°C to +35°C
Application environment humidity	< 85%
Waiting time between coats	6-12 hours anyway when completely dry

# ADETOP COLORPRIMER



Coloured siloxane primer, resistant to moulds, evening and water-repellent agent, to be used as a primer for exterior and interior surfaces.



## COVERAGE

0.2 - 0.3 kg/m<sup>2</sup> every applied coat

## CODE

See price list

## COLOUR

-

## PACKAGE

20 kg/12.5 l drums

## PRODUCT FEATURES

- › Silicone resin based primer in water dispersion that evens out the absorption of the substrate and improves adhesion before applying the paint ADETOP INTERNI.
- › To be used before painting or applying the coloured coating on new or old plasters, provided they are well cured and stable, and on substrates such as concrete and/or restorations made with cementitious mortars.
- › Used in combination with products from the ADETOP SYSTEM cycle, it is particularly effective in fighting algae, mould and fungi.
- › It favours the coverage of the coloured finish, facilitating the uniformity of the final result.

## USE

- › Ideal for treating old, new or already painted interior walls.
- › Suitable on cementitious, lime or gypsum-based substrates in all wet rooms of the house, giving the walls an excellent permeability to vapour and resistance to the growth of moulds
- › Perfect in closed, damp or poorly ventilated areas
- › Excellent for preparing old paints that adhere well to the substrate
- › It can be used on "cold" internal and external walls, where condensate humidity is present, on walls exposed to the north or particularly subject to the proliferation of algae, moulds and fungi, before applying ADECOR ACRYLSIL PITTURA or ADECOR ACRYLSIL RIVESTIMENTO

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	thick liquid
Colour	White, range of colours in the ADECOR colour chart or shades upon customer's request.
Volume mass	1.60 g/cm <sup>3</sup>
Solid residue	68%
Storage	24 months (in the original packaging, in a dry place and far from heat sources between +5°C and +30°C)

## APPLICATION DATA

Application temperature	from +5°C to +35°C
Waiting time between coats	Min. 24 hours in standard conditions of humidity and temperature. In any case, always with the first coat dried.
Water vapour diffusion resistance factor $\mu$ (EN ISO 7783)	600
Vapour permeability relative to 0.1 mm of dry thickness (Sd) (EN ISO 7783)	0.06 m
Factor of water absorption by capillarity W (EN 1062- 3)	0.2 kg/m <sup>2</sup> h <sup>0.5</sup>
VOC content (European Directive 2004/42/EC) white ready for use	≤ 10 g/l
VOC content (European Directive 2004/42/EC) coloured ready-for-use	≤ 25 g/l

# ADETOP PRIMER

NEW

Transpiring, sanitizing primer based on silanic and siloxane resins for the preparation of surfaces deteriorated by algae and moulds.



## COVERAGE

0.10 - 0.30 kg/m<sup>2</sup> depending on the roughness of the substrate

## CODE

7J099502AD

## COLOUR

-

## PACKAGE

2 kg drum

## PRODUCT FEATURES

- › Silane and siloxane based primer in water dispersion that unifies the absorption of the surfaces and improves the adhesion of next paint.
- › It retains breathability and provides high water repellency.
- › Together with the ADETOP SYSTEM cycle products, it constitutes a cleaning and protection system for wall surfaces that is particularly effective against algae, moulds and fungi.
- › Odourless, it contains no solvents and can be applied even in closed or poorly ventilated areas.

## USE

- › In combination with the ADETOP SYSTEM cycle for the treatment of walls with halos, stains, blackening or deterioration of surfaces due to the proliferation of algae, moulds or fungi.
- › On "cold" internal walls, where condensate humidity is present.
- › In closed, damp or poorly ventilated areas.
- › In all spaces where you want to keep the environment sanitized and prevent the formation of algae, moulds or fungi.

## TECHNICAL DATA

(at +23°C and 50% R.H.)

Appearance	Liquid
Colour	Opaque transparent.
Volume mass	1.01 g/cm <sup>3</sup>
Storage	24 months (in the original packaging and in a dry place) At a temperature between +5°C and 30°C AWAY FROM HEAT SOURCES – PROTECT AGAINST FROST
Dilution ratio	Ready-for-use
Application temperature	from +5°C to +35°C
Application environment humidity	< 85%
Waiting time between coats	24 hours and anyway when completely dry

## APPLICATION CYCLE

### HOW TO ELIMINATE MOULD FROM INTERIOR WALLS

#### PRELIMINARY STEPS:

Check the quality, consistency and properties of the substrate before proceeding. The surfaces to be treated must be cured, perfectly clean, consistent and dry. Seal any cracks, repair degraded parts and completely remove loose parts and any traces of oil or grease on the surface.

#### USED ADESITAL PRODUCTS:

- › ADETOP CLEANER
- › ADETOP PRIMER
- › ADETOP INTERNI



01

Apply **ADETOP CLEANER** on the substrate by means of a low-pressure hand sprayer or brush. Leave the solution for a few minutes, allowing the product to penetrate deeply.



02

Remove algae, moulds and fungi through brushing or mechanically. Repeat the cleaning operation several times by applying **ADETOP CLEANER** continuously, favouring its penetration.



03

Clean up residues by brushing. Close porosity and level out any unevenness in the substrate with Adesital grouts and levelling products.



04

After approximately 12-24 hours, or in any case after the wall has dried completely, apply **ADETOP PRIMER** by roller or brush.



05

After approximately 24 hours, paint the surface by brush or roller with at least two coats of **ADETOP INTERNI** about 6-12 hours apart.

# COLOUR TABLE

## ADECOR

Colours are approximate.  
For the shades and the availability see the colour chart.

51800	51802	51804	51806	51808
51810	51812	51814	51816	51818
51820	51822	51824	51826	51828
51830	51832	51834	51836	51838
51840	51842	51844	51846	51848
51850	51852	51854	51856	51858
51860	51862	51864	51866	51868
51870	51872	51874	51876	51878
51880	51882	51884	51886	51888
51890	51892	51894	51896	51898
51900	51902	51904	51906	51908
51910	51912	51914	51916	51918
51920	51922	51924	51926	51928
51930	51932	51934	51936	51938
51940	51942	51944	51946	51948
51950	51952	51954	51956	51958
51960	51962	51964	51966	51968
51970	51972	51974	51976	51978
51980	51982	51984	51986	51988
51990	51992	51994	51996	51998



# EUROPEAN CLASSIFICATIONS AND MARKINGS



# EUROPEAN CLASSIFICATION AND MARKING FOR THE BUILDING MATERIALS

The classification of building materials according to a unique European-valid pattern is achieved through the indications of the EN norms.

This system is targeted at allowing the final users to evaluate the products according to their application field and features, by reading conformity symbols applied on the packages and in the technical documentation. According to the European Directive for building products, for the free circulation of products in the European Community member countries, it is mandatory to apply the CE marking on the packages of the different building materials as a consequence of the Norm implementation by the single countries.

The CE marking is a certified guarantee of the purchased product for the users.

ADESITAL steadily follows the Norms within the transparency and seriousness featuring the relationship with its Customers.

## CLASSIFICATION OF ADHESIVES AND GROUTS FOR CERAMICS



The European Norms covering adhesives and grouts for ceramics and stone materials are: EN 12004, EN 13888.

### ADHESIVES

Type	Initials	Class
cementitious	C	
in dispersion	D	
resin-reaction	r	
	1	normal
	2	improved
	F	with rapid setting
	T	slip resistant
	E	with extended open time
cementitious	S1	deformable
	S2	highly deformable

### GROUTING

Type	Initials	Class
cementitious	CG	
based on		
reaction resins	RG	
	1	Normal
	2	Improved (high resistance to abrasion, reduced water absorption)

## CEMENTITIOUS ADHESIVES



**C1.** Normal cementitious adhesive.  
› E 50



**C1E.** Normal cementitious adhesive with extended open time.  
› ADEPLUS  
› ADEBOND



**C1T.** normal slip resistant cementitious adhesive.  
› B 75 SPECIAL



**C1TE.** normal slip resistant cementitious adhesive with extended open time.  
› ADEPLUS TIXO



**C2E.** improved cementitious adhesive with extended open time.  
› ADEX HP 30



Improved fast cementitious adhesive with extended open time  
› ADEX HP 30 FAST



**C2TE.** improved slip resistant cementitious adhesive with extended open time.  
› ADEGRES  
› EXTRA 30  
› ADEFLEX GREEN LIGHT



**C2FT.** improved slip resistant, rapid setting cementitious adhesive for ceramics.  
› EXTRA 30 FAST



**C2-S2.** Highly deformable improved cementitious adhesive.  
› LATEX EL 300 + ADEBOND  
› LATEX EL 300 + B 75 SPECIAL



Deformable, improved cementitious adhesive with extended open time  
› ADEX HP 30 PLUS



**C2TE-S1.** deformable, improved slip resistant cementitious adhesive with extended open time.  
› EXTRA 30 MAXI  
› B 75 MONOCOLOR  
› ADEFLEX GREEN LIGHT S1  
› EXTRA 30 POWER  
› EXTRA 30 POWER BIANCO FLASH



**C2FT-S1.** deformable, rapid setting, improved slip resistant cementitious adhesive.  
› EXTRA 40 FAST  
› ADEPROOF RAPIDO  
› ADEFLEX GREEN LIGHT S1 RAPID



**C2FT-S2.** highly deformable, rapid setting, improved slip resistant cementitious adhesive.  
› LATEX R 200 + EXTRA 40 FAST



**C2TE-S2.** highly deformable, improved slip resistant cementitious adhesive with extended open time.  
› ADEFLEX GREEN LIGHT S2

## ADHESIVES IN DISPERSION



**D1TE.** slip resistant normal adhesive in dispersion with extended open time.  
› M 73



**D2TE.** slip resistant improved adhesive in dispersion with extended open time.  
› ADESINT

## RESIN REACTION ADHESIVES



**R2T.** improved slip resistant resin reaction adhesive.  
› ADEPOXY  
› ADEFLEX T



**R2.** improved resin reaction adhesive for ceramic tiles.  
› ADEPOXY MATERIA  
› ADEPOXY MATERIA TECH

## GROUTS FOR JOINTS



**CG2WA.** improved cementitious grout resistant to abrasion, with reduced water absorption.  
› FUGAMAGICA 0-4 MATERIA TECH  
› FUGAMAGICA ZEROSEI MATERIA  
› FUGAMAGICA 2-12  
› FUGAMAGICA 3-20 BIO MATERIA TECH



**RG.** resin reaction grout for joints.  
› ADEPOXY MATERIA  
› ADEPOXY MATERIA TECH

## CLASSIFICATION OF PRE-MIXED GROUTS FOR SCREEDS

The European Norm covering pre-mixed grouts for screeds is EN 13813.

**CT** Based on cementitious binders  
**30** resistance to compression after 28 days equal to 30 N/mm<sup>2</sup>  
**F6** resistance to flexure after 28 days equal to 6 N/mm<sup>2</sup>  
**A1fl** Fire resistance class



**CT C30-F6 A1<sub>fl</sub>**, highly resistant cement-based screed  
 › STARCEM PRONTO 2.0



**CT C30-F7 A2<sub>fl-S1</sub>**, Highly resistant cementitious SMOOTHING  
 › AL 70 RAPID



**CT C35-F7 A2<sub>fl</sub>**  
 › ALS 80 RAPID



**CT C20-F4 A1<sub>fl</sub>**  
 › ADEPLAN THERMO

## CLASSIFICATION OF SUBSTRATE RENDERS AND WALL GROUTS

The European Norm covering grouts for indoor and outdoor renders is EN 998-1.

The Norm includes four classes with increasing resistance to compression: **CS I**, **CSII**, **CSIII**, **CSIV**.

The European Norm covering wall grouts EN 998-2.



- › ADESAN RINZAFFO CALCE CLASS CS IV
- › ADESAN TRASPIRANTE CLASS CS II
- › ADESAN INTONACO CLASS CS II
- › ADESAN MONO LIGHT CLASS CS II
- › ADESAN RINZAFFO CLASS CS II
- › ADEPLAN RC 170 CLASS GP CS III
- › ADEBLOCK CLASS CS III
- › ADEPLAN RC 70 CLASS CS IV
- › ADEPLAN RD 100 CLASS CS IV
- › ADEPLAN RD 120 CLASS CS IV
- › ADESAN INTONACO NHL CLASS CS II
- › ADESAN STRUTTURALE NHL CLASS CS IV
- › ADESAN CALCE MACCHINA CLASS CS II
- › ADEPLAN RD 80 CLASS CS IV
- › ADEPLAN RF 60 CLASS CS IV

- › ADEGROUT 300 RAPIDO CLASS CS IV
- › ADESAN RINZAFFO MACCHINA CLASS CS IV
- › ADESAN RASANTE CLASS CS II
- › ADETERM EXTRA 35 CLASS CS IV



- › ADEBLOCK CLASS M5
- › ADESAN STRUTTURALE NHL CLASS M15

## CLASSIFICATION OF GROUTS FOR CONCRETE REPAIR

The European Norm covering grouts for concrete structural and non-structural repair is EN 1504-3.

Class	Non-structural	Structural
R1	≥ 10 MPa	
R2	≥ 15 MPa	
R3		≥ 25 MPa
R4		≥ 45 MPa

- CC** Cementitious grouts
- PCC** Cementitious grouts with polymer additives



**R4-PCC**, Structural polymer cementitious grout with resistance class to compression: R4  
 › ADEGROUT MAXI



**R4-CC**, Structural restoration cementitious grout with resistance class to compression: R4  
 › ADEGROUT FLUIDO  
 › ADEGROUT TRAFFIC



**R3-CC**, Structural restoration cementitious grout with resistance class to compression: R3  
 › ADEGROUT TISSOTROPICO  
 › ADEGROUT R6



**R2-PCC**, Hydraulic grout modified by the addition of polymer additives for the non-structural repair of concrete.  
 › ADEGROUT MONOSTRATO

## CLASSIFICATION OF SYSTEMS FOR CONCRETE PROTECTION

The European Norm covering systems for concrete protection is **EN 1504-2**.

- PI** protection against penetration risks
- MC** humidity control
- PR** physical resistance - surface improvement
- RC** resistance to chemicals
- IR** resistivity increase by limiting the humidity content



**MC+IR.** System controlling the humidity and increasing resistivity by limiting the humidity content.

- › ADEPLAN RD 100
- › ADEPLAN RD 120 G6-G10
- › ADEPLAN RD 80
- › ADEGROUT 300 RAPIDO
- › ADEGROUT MONOSTRATO
- › OSMOSTUCK H2O



**PI+MC+IR.** System protecting against penetration risks, controlling the humidity and increasing resistivity by limiting the humidity content.

- › ADEPROOF ELASTOCEM
- › ADEPROOF ELASTOCEM RECORD
- › ADEPROOF VISTA

## CLASSIFICATION OF WATERPROOFING PRODUCTS, LIQUID APPLIED

The European Norm classifying the liquid waterproofing products used under ceramic tiles bonded with adhesives is **EN 14891**.

Type	Initials
cementitious	CM
In dispersion	DM
based on reaction resins	RM

### Optional features

O1	crack bridging $\geq 0.75$ mm at $-5^{\circ}\text{C}$
O2	crack bridging $\geq 0.75$ mm a $-20^{\circ}\text{C}$
P	adhesion $\geq 0.5$ N/mm <sup>2</sup> after contact with chlorine



**CM02P.** Highly flexible waterproofing cementitious product even at  $-20^{\circ}\text{C}$  with high adhesion even after contact with chlorinated water.

- › ADEPROOF ELASTOCEM



**CM01P.** Highly flexible waterproofing cementitious product even at  $-5^{\circ}\text{C}$  with high adhesion even after contact with chlorinated water.

- › ADEPROOF ELASTOCEM RECORD
- › ADEPROOF MONO



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Il marchio della  
gestione forestale  
responsabile

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