



IRONMEN



Products
Catalogue



ROUJNEN



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**WITH THE STRENGTH
OF THE PANTHER**

SUPER acrylic tile
adhesive has been in
production **since 1964**



The history of the company and its unique products begins in the 60s when **Evangelos Menediatis** - a tile craftsman by profession and a restless spirit - was always looking for ways to improve the quality of his work.

As an experienced professional, what concerned him was the level of adhesion and behavior of the mud he used in tiling, which did not meet his requirements, and therefore he persistently experimented to discover some other material, which would have better technical specifications.

After several experiments and using the glue as a basis for his new material, he created a new product of high technical specifications, which he began to sell and make known to the wide market throughout Greece.

This is how Evangelos Menediatis took his first steps, but demand and sales quickly increased and in order to meet the increased needs he took his next step by organizing the business, as well as moving the products with his own trucks.

The course of the product in the domestic market was undoubtedly successful and the result was the establishment of the company **«Meloplast» in 1973** with the support of his family.

This was also the beginning of a new creative path that will lead in September 1983 to the **founding of Plasticoll** by the founder's son, **Giorgos Menediatis**.

Having lived by his father's side and learning first-hand the secrets of the work and the techniques, he proceeded to create new, innovative and higher quality products which he made available to the market.

«Armstock» ceramic tile joint putty was one of them: an excellent product, especially useful to craftsmen that only a tiler could create.

This is followed by a series of also new, excellent quality and high specification products such as the Magnetic Adhesive for tarpaulins, the First Plastic Material, the wide range of PVA glues (Crystallize, Parquet glue, General Purpose Glue, etc.) the Lime Substitute and the Tile Drivers.

The next products that completed the range are Acrylic Colours, Extra Glue (another innovation, the first paste glue) and Resins in liquid form.

In 2001, Roumen was founded, as a natural continuation of the other steps of development, and the third generation of the Menediatis family, with the grandchildren of the founder, now takes an active role in the company.

The dedication to quality and continuous research are the elements that have given the company its long history of more than 40 years now.

With these elements as our basic principles, we continue into the future, following them and serving them faithfully.

C2 FT S1



1032 Fix Quick

C2 TE S1



1031 Fix FINE MG20

C2 TE



1041 Ceramikoll FINE MG12

Tile Adhesive

1. Fix FINE MG20

High performance elastic cementitious adhesive, with extended application time and zero slip combined with fine aggregate. Suitable for all types of tiles and natural stones.

The FIX FINE is certified against CE in category C2TES1 (CPD-NB 1950/294-1/26.08.2011) and is classified as cementitious (C), reinforced (2), non-slip (T), with extended application time (E) and elastic (S1).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls, and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Underfloor heating installations, Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, internally heavily painted walls, Tiles, or natural stones over existing floor tiles.

Characteristics

FIX FINE consists of white cement, properly graded composition aggregates, synthetic resins combined with special additives mixed so that it is classified as C2TES1. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which FIX FINE will be applied must be flat, with good mechanical strength, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling. Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix FIX FINE with 30-32% pure water until a homogeneous, lump-free slurry is obtained. Let the mixture rest for about 5 minutes and stir again. 7.50-8kg of water are required for 25kg of powder with a lifetime in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, apply a thin layer of FIX FINE to the pre-moistened substrate using the smooth side of the

spatula. Then apply the desired thickness using an appropriate notched trowel in relation to the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film can be created on the surface of the applied adhesive due to the reduction of the open correction time of the adhesive, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers must be cleaned with plenty of water while the FIX FINE it's still fresh.

Consumption

- Mosaics and small size tiles: $\approx 3\text{kg}/\text{m}^2$ (spatula No.4)
- Standard sizes: $\approx 4\text{kg}/\text{m}^2$ (spatula No.5)
- Large sizes: $\approx 5\text{kg}/\text{m}^2$ (spatula No.6)

Packaging

Available in 25kg bags.

Storage

It is stored for 12 months in a normal environment in the original packaging.

Specifications

According to the European standard EN



12004 as C2TES1

Form: Powder

Shade: White, Grey

Density: $1.2\text{kg}/\text{m}^3$

Density of the mixture: $1.4\text{kg}/\text{m}^3$

Mixing ratio with water: 30-32%

Pot life: Over 4hours

Application temperature: from $+5^\circ\text{C}$ to $+35^\circ\text{C}$

Technical performance

Performance	Technical	Requirements
Adhesion strength after: 28days (N.C)	1.8 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Heating at $+70^\circ\text{C}$	1.7 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Immersion in water	1.6 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
25 freeze-thaw cycles	1.4 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	2.0 N/mm ² in 30 min	$\geq 0.5\text{N}/\text{mm}^2$ in 30 min
Deformability (EN 12004-2)	>2.9mm	> 2.5mm

Safety instructions

FIX FINE is irritating, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those who are predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

For Professional Use

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions.

Tile Adhesive

2. Fix Quick

High performance fast setting, resin-based adhesive with zero slip. Suitable for all types of tiles and natural stones. FIX QUICK is classified as cementitious (C2FTS1).

Ideal for cases where the immediate and short-term use of the surfaces to be covered with tiles, absorbent or non-absorbent of all dimensions, as well as decorative natural or artificial stones is required. It is applied to walls and floors, indoors and outdoors.

Characteristics

The FIX QUICK consists of white cement, properly graded inert composition, synthetic resins combined with special additives mixed together so as to be classified as C2FTS1.

Application Process

Substrate preparation

All substrates on which FIX QUICK will be applied must be flat, with good mechanical strength, free of loose materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling. Moisten the surfaces with water to ensure proper freshness before applying

Preparation of the mixture

Mix FIX QUICK with approximately 26% pure water until a homogeneous, lump-free slurry is achieved. Let the mixture rest for about 5 minutes and stir again. In particular, 25kg of powder requires approximately 6.5kg of water with a life time in the mixing container of 60 minutes.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, apply a thin layer of FIX QUICK to the pre-moistened substrate using the smooth side of the trowel. Then apply the desired thickness using an appropriate notched trowel in relation to the type and size of the tiles. The "combed" mixture must be covered with tiles within 20 minutes in order to avoid the formation of a skin film which will result in unnecessary bonding of the tiles

Cleaning tools

Tools and containers must be cleaned with plenty of water while the FIX QUICK it's still fresh

Consumption

2-4kg/m² depending on the size of the trowel's teeth and the type of substrate.

Packaging

Available in 25kg bags.

Storage

It is stored for 12 months in a normal environment in the original packaging.

Specifications

According to the European standard EN 12004 as C2TES1

Form: Powder

Shade White , Grey

Density 1.2kg/m³

Density of the mixture 1.4kg/m³

Mixing ratio with water 30-32%

Pot life Over 4hours

Application temperature from +5°C to +35°C

Technical performance

Performance	Technical	Requirements
Adhesion strength after:		
Initial 24hours	>1.0 N/mm ²	≥ 1N/mm ²
28days (N.C)	>1.6 N/mm ²	≥ 1N/mm ²
Heating at +70°C	>1.7 N/mm ²	≥ 1N/mm ²
Immersion in water	>1.2 N/mm ²	≥ 1N/mm ²
25 freeze-thaw cycles	>1.6 N/mm ²	≥ 1N/mm ²
Slip EN1308	<0.5mm	≤ 0.5mm
Open time EN1346	>0.5 N/mm ² in 15 min	≥0.5 N/mm ² in 15 min
Deformability (EN 12004-2)	>2.5mm	> 2.5mm

Safety instructions

FIX quick is irritating, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those who are predisposed. May cause eye damage. . In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet

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Tile Adhesive

3. Ceramicol FINE MG12

Cementitious tile and natural stone adhesive with high performance, anti-slip with extended application time and fine aggregate.

The CERAMIKOL FINE is certified against CE in category C2TE (CPR-NB 1950/17.09.2007) and is classified as cementitious (C), reinforced (2), non-slip (T) and extended application time (E).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, heavily painted interior walls, Tiles or natural stones over existing floor tiles.

Characteristics

The CERAMIKOL FINE consists of white cement, of suitably graded composition aggregates, synthetic resins combined with special additives mixed together so as to be classified as C2TE. When mixed with water it makes it easy to work with, high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which CERAMIKOLL FINE will be applied must be flat, with good mechanical resistance, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling.

Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix CERAMIKOLL FINE with 31-33% pure water until a homogeneous, lump-free slurry is achieved. Let the mixture rest for about 5 minutes and stir again. In particular, for 25kg of powder, 7.75-8.25kg of water are required with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, apply a thin layer of CERAMIKOLL FINE to the pre-moistened substrate, using the smooth

side of the spatula. Then apply the desired thickness using an appropriate notched trowel in relation to the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film can be created on the surface of the applied adhesive due to the reduction of the open correction time of the adhesive, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers must be cleaned with plenty of water while the CERAMIKOL FINE is still fresh.

Consumption

- Mosaics and small size tiles: $\approx 3\text{kg}/\text{m}^2$ (spatula No.4)
- Standard sizes: $\approx 4\text{kg}/\text{m}^2$ (spatula No.5)
- Large sizes: $\approx 5\text{kg}/\text{m}^2$ (spatula No.6)

Packaging

Available in 25kg bags.

Storage

It is stored for 12 months in a normal environment in the original packaging.



Specifications

According to the European standard EN 12004 as C2TE

Form: Powder

Shade White, Grey

Density: $1.2\text{kg}/\text{m}^3$

Density of the mixture $1.4\text{kg}/\text{m}^3$

Mixing ratio with water 25-26%

Pot life Over 4hours

Application temperature from $+5^\circ\text{C}$ to $+35^\circ\text{C}$

Performance	Technical	Requirements
Adhesion strength after: 28days (N.C)	1,4N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Heating at $+70^\circ\text{C}$	1,1 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Immersion in water	1,2 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
25 freeze-thaw cycles	1,3 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	1.3 N/mm ² in 40 min	$\geq 0.5\text{N}/\text{mm}^2$ in 30 min

Safety instructions

CERAMIKOLL FINE is irritating, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those who are predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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ROUMEN

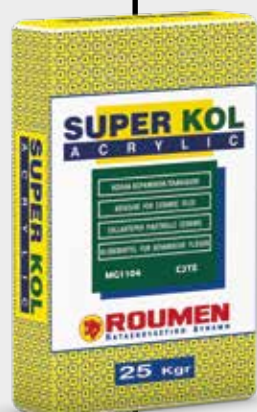
C2TES1



C2TE



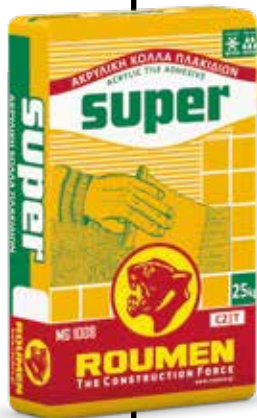
C2TE



Plastikoll



C2T



C1TE



C1T



C1T



C2 TE S2



___ €/kg

Panther A600 Ultra Elastic S2

C2 TE S1



___ €/kg

Panther A500 SUPER

C2 TE S1



___ €/kg

Panther A300 SPECIAL

C2 TE S2



___ €/kg

Panther A550 Elastic A+B

C2 TE



_____ €/kg

Panther
A250 SAND

C1 TE



_____ €/kg

Panther
A200 SAND

C2 TE



_____ €/kg

Panther
A450 Atlas

Panther®

Tile Adhesive

4. A600 Panther Ultra Elastic S2

High performance elastic cementitious adhesive, with extended application time and zero slippage. Suitable for all types of tiles and natural stones.

The ULTRA ELASTIC A600 is CE certified in the category C2TES2 (PTD-20.82/05.12.2020-NB 305/2011) and is classified as cementitious (C), reinforced (2), anti-slip (T), with extended application time (E) and elastic (S2).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates

Recommended application substrates

Under floor heating installations, Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, internally heavily painted walls, Tiles or natural stones over existing floor tiles.

Characteristics

The ULTRA ELASTIC A600 consists of white cement, properly graded aggregate composition, synthetic resins combined with special additives mixed together so that it is classified as C2TES1. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which ULTRA ELASTIC A600 will be applied must be flat, with good mechanical strength, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling.

Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix ULTRA ELASTIC A600 with 24-25% pure water until a homogeneous, lump-free slurry is obtained. Let the mixture rest for about 5 minutes and stir again. In particular, 6-7,25kg of water are required for 25kg of powder with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, spread a thin layer of ULTRA ELASTIC A600 on the

pre-moistened substrate using the smooth side of the trowel. Then apply the desired thickness using a notched trowel suitable for the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film may form on the surface of the applied adhesive due to the reduction of the open time of the adhesive correction, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers should be cleaned with plenty of water while ULTRA ELASTIC A600 is still fresh.

Consumption

- Mosaics and small size tiles: $\approx 3\text{kg}/\text{m}^2$, trowel N°4
- Standard sizes: $\approx 4\text{kg}/\text{m}^2$, spatula N°5
- Large sizes: $\approx 5\text{kg}/\text{m}^2$, spatula N°6

Packaging

Available in 25kg bags.

Storage

It is stored for 12 months in a normal environment in the original packaging.

Specifications

According to the European standard EN12004 as C2TES1



Form: Powder

Shade: White, Grey

Density: $1.2\text{kg}/\text{m}^3$

Density of the mixture: $1.4\text{kg}/\text{m}^3$

Mixing ratio with water: 26-28%

Pot life: Over 4hours

Application temperature: from $+5^\circ\text{C}$ to $+35^\circ\text{C}$

Technical performance

Performance	Technical	Requirements
Adhesion strength after: 28days (N.C)	2.5 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Heating at $+70^\circ\text{C}$	2.7 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Immersion in water	2.2 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
25 freeze-thaw cycles	2.3 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	2.3 N/mm ² in 30 min	$\geq 0.5\text{N}/\text{mm}^2$ in 30 min
Deformability EN12002	5.5mm	$>5\text{mm}$

Safety instructions

ULTRA ELASTIC A600 is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Tile Adhesive

5. A500 Panther SUPER

High performance acrylic elastic cementitious adhesive, with extended application time and zero slip. Suitable for all types of tiles and natural stones.

CE certified in category C2TES1 (PTD-20.82/05.12.2020-NB 2032) and classified as cementitious (C), reinforced (2), non-slip (T), with extended application time (E) and elastic (S1).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Underfloor heating installations, Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, internally heavily painted walls, Tiles or natural stones over existing floor tiles.

Characteristics

SUPER A500 consists of white cement, properly graded aggregate composition, synthetic resins combined with special additives mixed together so that it is classified as C2TES1. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which SUPER A500 will be applied must be flat, with good mechanical strength, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling.

Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix SUPER A500 with 26-28% pure water until a homogeneous, lump-free slurry is obtained. Let the mixture rest for about 5 minutes and stir again. In particular, 6.50-7,00kg of water are required for 25kg of powder with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched

trowel. To achieve good adhesion, spread a thin layer of SUPER A500 on the pre-moistened substrate using the smooth side of the trowel. Then apply the desired thickness using a notched trowel suitable for the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film may form on the surface of the applied adhesive due to the reduction of the open time of the adhesive correction, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers should be cleaned with plenty of water while SUPER A500 is still fresh.

Consumption

Mosaics and small size tiles: $\approx 3\text{kg}/\text{m}^2$, trowel N°4

Standard sizes: $\approx 4\text{kg}/\text{m}^2$, spatula N°5

Large sizes: $\approx 5\text{kg}/\text{m}^2$, spatula N°6

Packaging

Available in 25kg bags.

Storage

The SUPER A500 is stored for 12 months in a normal environment in the original packaging.

Specifications

According to the European standard EN12004 as C2TES1



Form: Powder

Shade: White, Grey

Density: $1.2\text{kg}/\text{m}^3$

Density of the mixture: $1.4\text{kg}/\text{m}^3$

Mixing ratio with water: 26-28%

Pot life: Over 4hours

Application temperature: from $+5^\circ\text{C}$ to $+35^\circ\text{C}$

Performance	Technical	Requirements
Adhesion strength after: 28days (N.C)	$2.5\text{N}/\text{mm}^2$	$\geq 1\text{N}/\text{mm}^2$
Heating at $+70^\circ\text{C}$	$1.9\text{N}/\text{mm}^2$	$\geq 1\text{N}/\text{mm}^2$
Immersion in water	$1.6\text{N}/\text{mm}^2$	$\geq 1\text{N}/\text{mm}^2$
25 freeze-thaw cycles	$1.6\text{N}/\text{mm}^2$	$\geq 1\text{N}/\text{mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	$2.2\text{N}/\text{mm}^2$ in 30 min	$\geq 0.5\text{N}/\text{mm}^2$ in 30 min
Deformability EN12002	2.9mm	$>2,5\text{mm}$

Safety instructions

SUPER A500 is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Tile Adhesive

6. A300 Panther SPECIAL

High performance elastic acrylic cementitious adhesive, with extended application time and zero slip. Suitable for all types of tiles and natural stones.

CE certified in the category C2TES1 (CPD-NB 1950/294-1/26.08.2011) and is classified as cementitious (C), reinforced (2), non-slip (T), with extended application time (E) and elastic (S1).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Underfloor heating installations, Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, internally heavily painted walls, Tiles or natural stones over existing floor tiles.

Characteristics

SPECIAL A300 consists of white cement, properly graded aggregate composition, synthetic resins combined with special additives mixed together so as to be classified as C2TES1. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which SPECIAL A300 will be applied must be flat, with good mechanical resistance, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling.

Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix SPECIAL A300 with 28-30% pure water until a homogeneous, lump-free slurry is obtained. Let the mixture rest for about 5 minutes and stir again. In particular, 7-7.50kg of water are required for 25kg of powder with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, apply a thin layer of SPECIAL A300 to the pre-

moistened substrate using the smooth side of the trowel. Then apply the desired thickness using an appropriate notched trowel in relation to the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film may form on the surface of the applied adhesive due to the reduction of the open time of the adhesive correction, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers should be cleaned with plenty of water while SPECIAL A300 is still fresh.

Consumption

Mosaics and small size tiles: $\approx 3\text{kg/m}^2$, trowel N°4.

Standard sizes: $\approx 4\text{kg/m}^2$, spatula N°5.

Large sizes: $\approx 5\text{kg/m}^2$, spatula N°6

Packaging

SPECIAL A300 is available in 25kg bags.

Storage

The SPECIAL A300 is stored for 12 months in a normal environment in the original packaging.

Specifications

According to the European standard



EN12004 as C1TES1

Form: Powder

Shade: White, Grey

Density: 1.2kg/m^3

Density of the mixture: 1.4kg/m^3

Mixing ratio with water: 30-32%

Pot life: Over 4hours

Application temperature: from $+5^\circ\text{C}$ to $+35^\circ\text{C}$

	Technical performance	Requirements
Adhesion strength after: 28days (N.C)	1.9N/mm ²	$\geq 1\text{N/mm}^2$
Heating at $+70^\circ\text{C}$	1.8N/mm ²	$\geq 1\text{N/mm}^2$
Immersion in water	1.5 N/mm ²	$\geq 1\text{N/mm}^2$
25 freeze-thaw cycles	2.0 N/mm ²	$\geq 1\text{N/mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	1.8 N/mm ² in 30 min	$\geq 0.5\text{N/mm}^2$ in 30 min
Deformability EN12002	3.1mm	$>2.5\text{mm}$

Safety instructions

SPECIAL A300 is irritating, contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

For Professional Use

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions

Tile Adhesive

7. A250 Panther SAND

Cementitious acrylic tile and natural stone adhesive with high performance, anti-slip with extended application time and adhesive thickness up to 20mm.

CE certified in the category C2TE (PTD-20.81/07.12.2020-NB 2032 and is classified as cementitious (C), reinforced (2), non-slip (T) and extended application time (E).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, heavily painted interior walls, Tiles or natural stones over existing floor tiles.

Characteristics

SAND A250 consists of white cement, properly graded aggregate composition, synthetic resins combined with special additives mixed together so that it is classified as C2TE. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which SAND A250 will be applied must be flat, with good mechanical strength, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling.

Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix SAND A250 with 25-26% pure water until a homogeneous, lump-free slurry is obtained. Let the mixture rest for about 5 minutes and stir again. In particular, for 25kg of powder, 6,25-6.5kg of water are required with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, spread a thin layer of SAND A250 on the pre-moistened substrate using the smooth side of the trowel. Then apply the desired

thickness using an appropriate notched trowel in relation to the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film may form on the surface of the applied adhesive due to the reduction of the open time of the adhesive correction, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers should be cleaned with plenty of water while SAND A250 is still fresh.

Consumption

Mosaics and small size tiles: $\approx 3\text{kg}/\text{m}^2$, trowel N°4

Standard sizes: $\approx 4\text{kg}/\text{m}^2$, spatula N°5

Large sizes: $\approx 5\text{kg}/\text{m}^2$, spatula N°6

Packaging

Available in 25g bags.

Storage

The SAND A250 is stored for 12 months in a normal environment in the original packaging.



Specifications

According to the European standard EN 12004 as C2TE

Form:	Powder
Shade	White , Grey
Density	1.2kg/m ³
Density of the mixture	1.4kg/m ³
Mixing ratio with water	25-26%
Pot life	Over 4hours
Application temperature	from +5°C to +35°C

	Technical performance	Requirements
Adhesion strength after: 28days (N.C)	1,6N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Heating at +70°C	1,4 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Immersion in water	1,4 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
25 freeze-thaw cycles	1,6 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	1.3 N/mm ² in 30 min	$\geq 0.5\text{ N}/\text{mm}^2$ in 30 min

Safety instructions

SAND A250 is an irritant, containing cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

For Professional Use

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Tile Adhesive

8. A200 Panther SAND

White acrylic non-slip cementitious adhesive.

EN 12004 certified in the category C1TE (CPR-NB 1950/30.04.2014) and is classified as cementitious (C) non-slip (T) and extended application time (E).

Application fields

Suitable for strong bonding of ceramic and decorative bricks to normal cement-based floor or wall substrates, indoor or outdoor.

Advantages

It is distinguished by strong adhesion, resistance to temperature fluctuations, resistance to moisture and frost, ease of application, excellent workability, no slipping of the tiles during their installation, indoor and outdoor use.

Recommended application substrates

Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, heavily painted interior walls, Tiles or natural stones over existing floor tiles.

Characteristics

SAND A200 consists of white cement, properly graded aggregate composition, synthetic resins combined with special additives mixed together so that it is classified as C1T. When mixed with water

it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which SAND A200 will be applied must be flat, with good mechanical strength, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling.

Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix SAND A200 with 23-24% pure water until a homogeneous, lump-free slurry is obtained. Let the mixture rest for about 5 minutes and stir again. In particular, for 25kg of powder, 5.75-6kg of water are required with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched

trowel. To achieve good adhesion, spread a thin layer of SAND A200 on the pre-moistened substrate using the smooth side of the trowel. Then apply the desired thickness using an appropriate notched trowel in relation to the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film may form on the surface of the applied adhesive due to the reduction of the open time of the adhesive correction, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers should be cleaned with plenty of water while SAND A200 is still fresh.

Consumption

Approximately 2.5 - 4.0kg per m² depending on tile size and type.

Packaging

Available in 25kg bags.

Storage

It is stored for 12 months in a normal environment in the original packaging.



Specifications

According to the European standard EN 12004 as C1TE

Form: Powder

Shade: White, Grey

Density: 1.2kg/m³

Density of the mixture: 1.4kg/m³

Mixing ratio with water: 30-32%

Pot life: Over 4hours

Application temperature: from +5°C to +35°C

	Technical performance	Requirements
Adhesion strength after: 28days (N.C)	1.2 N/mm ²	≥ 0.5N/mm ²
Heating at +70°C	1.1 N/mm ²	≥ 0.5N/mm ²
Immersion in water	1.0 N/mm ²	≥ 0.5N/mm ²
25 freeze-thaw cycles	0.9 N/mm ²	≥ 0.5N/mm ²
Slip EN1308	0.2mm	≤ 0.5mm
Open time EN1346	1.1 N/mm ² in 30 min	≥0.5 N/mm ² in 30 min

Safety instructions

SAND A200 is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Tile Adhesive

9. A450 Panther ATLAS

High-performance, non-slip cement-based coarse tile and natural stone adhesive with extended application time and adhesive thickness up to 60mm.

ATLAS A450 is CE certified in category C2TE (CPR-NB 1950/30.04.2014) and is classified as cementitious (C), reinforced (2), non-slip (T) and extended application time (E).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, heavily painted interior walls, Tiles or natural stones over existing floor tiles

Characteristics

The ATLAS A450 consists of white cement, properly graded inert composition, synthetic resins combined with special additives mixed together so as to be classified as C2TE. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Substrate preparation

All substrates on which ATLAS A450 will be applied must be flat, with good mechanical strength, free of friable materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling. Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix ATLAS A450 with 26-28% pure water until a homogeneous, lump-free slurry is achieved. Let the mixture rest for about 5 minutes and stir again. In particular, for 25kg of powder, 6.50-7kg of water are required with a life time in the mixing container of 4 hours.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, spread a thin layer of ATLAS A450 on the pre-moistened substrate using the smooth side of the trowel. Then apply the desired

thickness using an appropriate notched trowel in relation to the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film may form on the surface of the applied adhesive due to the reduction of the open time of the adhesive correction, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers should be cleaned with plenty of water while SPECIAL A300 is still fresh.

Consumption

Mosaics and small size tiles: $\approx 3\text{kg/m}^2$, trowel N°4

Standard sizes: $\approx 4\text{kg/m}^2$, spatula N°5

Large sizes: $\approx 5\text{kg/m}^2$, spatula N°6

Packaging

ATLAS A 450 is available in 25kg bags.

Storage

The ATLAS A450 is stored for 12 months in a normal environment in the original packaging.



Specifications

According to the European standard EN 12004 as C2TE

Form:	Powder	
Shade	White , Grey	
Density	1.2kg/m ³	
Density of the mixture	1.4kg/m ³	
Mixing ratio with water	26-28%	
Pot life	Over 4hours	
Application temperature	from +5°C to +35°C	
	Technical performance	Requirements
Adhesion strength after: 28days (N.C)	1.6N/mm ²	≥ 1N/mm ²
Heating at +70°C	1.4N/mm ²	≥ 1N/mm ²
Immersion in water	1.5 N/mm ²	≥ 1N/mm ²
25 freeze-thaw cycles	1.3 N/mm ²	≥ 1N/mm ²
Slip EN1308	0.2mm	≤ 0.5mm
Open time EN1346	1.3 N/mm ² in 30 min	≥0.5 N/mm ² in 30 min

Safety instructions

ATLAS A450 is irritating, contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Tile Adhesive

10. A550 Panther Elastic A+B

High performance acrylic elastic cementitious adhesive, 2 components with extended application time and zero slip. Suitable for all types of tiles and natural stones.

CE certified in category C2TES2 (PTD-20.82/05.12.2020- NB 2032) and classified as cementitious (C), reinforced (2), non-slip (T), with extended application time (E) and elastic (S2).

Application fields

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.

Recommended application substrates

Underfloor heating installations, Cement floor screeds (cured and dry), coatings of traditional plaster or ready-made cement mortar, plasterboards, internally heavily painted walls, Tiles or natural stones over existing floor tiles.

Characteristics

ELASTIC A+B consists of white cement, properly graded aggregate composition, synthetic resins combined with special additives mixed together so that it is classified as C2TES2. When mixed with water it makes it easy to work with, with high thixotropy, no slippage on vertical surfaces and strong adhesion.

Application Process

Preparation substrate

All substrates on which ELASTIC A+B will be applied must be flat, with good mechanical strength, free of loose materials, grease, oil, old paints, waxes, etc. Cementitious substrates should be mature and should not shrink after tiling. Moisten with water the surfaces that have been heated by exposure to the sun to ensure proper freshness.

Preparation of the mixture

Mix the powder of component A with the emulsifier of component B with until obtain a homogeneous pulp, without lumps. Let the mixture rest for about 5 minutes and stir again.

Application of the mixture

Apply to the substrate with a notched trowel. To achieve good adhesion, on the pre-moistened substrate, apply a thin layer of ELASTIC A+B using the smooth side of the spatula. Then apply the desired thickness using a notched trowel suitable

for the type and size of the tiles.

Placing the tiles

Tiles should be installed applying even pressure to ensure good contact with the adhesive. In normal conditions of temperature and humidity, its open time is about 30 minutes.

Caution

With strong sun, dry air, high temperatures, etc. or on very absorbent substrates, a film can be created on the surface of the applied adhesive due to the reduction of the open correction time of the adhesive, up to just a few minutes. Do not wet the glue with water when a film forms. We do not wash or expose the applied tiles to rain for at least 24 hours and protect them from frost and strong sun for at least 5-7 days.

Grouting

Grouting on vertical surfaces can be done after 4-6 hours and on floors after 24 hours. The floors are ready for light foot traffic after approximately 24 hours.

Cleaning tools

Tools and containers must be cleaned with plenty of water while ELASTIC A+B is still fresh.

Consumption

- Mosaics and small size tiles: $\approx 3\text{kg}/\text{m}^2$ (spatula No.4)
- Standard sizes: $\approx 4\text{kg}/\text{m}^2$ (spatula No.5)
- Large sizes: $\approx 5\text{kg}/\text{m}^2$ (spatula No.6)

Packaging

Available in 25kg bags.

Storage

It is stored for 12 months in a normal environment in the original packaging.



Specification

According to the European EN 12004 as C2TES2

Form	Powder	
Shade	White , Grey	
Density	1.2kg/m ³	
Mixing ratio % w/w	100A : 66.7B or 25kgA : 16.7kg B	
Pot life	Over 4hours	
Application temperature	from +5°C to +35°C	
	Technical performance	Requirements
Adhesion strength after: 28days (N.C)	2.1N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Heating at +70°C	1.9 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Immersion in water	1.5 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
25 freeze-thaw cycles	1.3 N/mm ²	$\geq 1\text{N}/\text{mm}^2$
Slip EN1308	0.2mm	$\leq 0.5\text{mm}$
Open time EN1346	2.3 N/mm ² in 30 min	$\geq 0.5\text{N}/\text{mm}^2$ in 30 min
Deformability EN12002	5.7mm	>5mm

Safety instructions

ELASTIC A+B is irritating, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those who are predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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***For the professional
who knows!***

Panther A600 Ultra Elastic S2

High performance elastic cementitious adhesive, with extended application time and zero slippage. Suitable for all types of tiles and natural stones.

ULTRA ELASTIC A600 is CE certified in category C2TES2 (PTD-20.82/05.12.2020-NB 305/2011) and is classified as cementitious (C), reinforced (2), anti-slip (T), with extended application time (E) and elastic(S2).

Application field

Suitable for gluing tiles and all types of mosaics on floors, walls and ceilings. It is also recommended for spot welding of insulating materials, expanded polyurethane and polystyrene as well as soundproofing plates.



ROUMEN

Panther®

C2TES2



C2TES1



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C2TES1



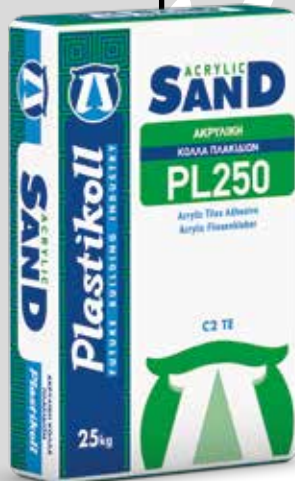
C2TE



C1TE



C2TE



Joints Acrylic Grout

11. RR08 Armostok 0-8 Elastic



Elastic and antibacterial waterproof cementitious acrylic grout. Flexible cement-based acrylic grout for joints from 0mm to 8mm. It is characterized according to EN 13888 as CG2.

Properties

- Elastic
- Mycostatic and bacteriostatic action.
- Contains special bacteriostatic additives, which do not allow the growth of a wide range of known bacteria in the joint.
- Very good mechanical resistance (does not rub).
- Excellent smooth matte surface.
- Does not shrink.
- Great moisture resistance.
- Easy to apply.

Fields of Applications It is applied to vertical and horizontal surfaces in kitchens, hospitals, kindergartens, changing rooms, schools, restaurants, etc. Available in 60 basic colours. The grouted surface is cleaned with a wet sponge.

Way of use

Substrate preparation

The substrate must be free of loose materials, dust, grease or other foreign substances. Pour the mortar into clean water, 2l of water to which we have added 0.2kg or 200g ELASTIMENT in 5kg of product and mix with a mixer at low speed (400rpm) until it becomes a homogeneous mass. Leave it for 5 minutes in the bucket to homogenize and stir again. With the second stirring, the material becomes more pourable, facilitating its application.

Caution! The additional addition of water than specified significantly reduces the strength of the material, simultaneously presenting two colours and fading of the colour. The material is applied with a rubber or grouting trowel, pushing it diagonally towards the joints until they are properly filled. Excess material is removed almost immediately from the surface of the tiles with a wet sponge and clean water. The jointed surface must be protected from the sun, elevated temperatures, air currents and generally from factors that cause premature evaporation of the material's moisture.

Grouting must be done after:

- Wall 6-12 hours.
- Floor with glue 24-48 hours.
- Floor with quick setting glue 3-6 hours.

- Floor with cement mortar 7-14 days.

Additional notes Do not add cement, aggregates or additives to the product. Do not add water once the mortar has started to set. Do not apply at temperatures below 5°C and above 35°C or during rain. When the application temperature is 5-8°C, then the substrate mixing and saturating water is recommended to be warm to warm, while at application temperatures of 30-35°C, the water is recommended to be cold.

Caution! Lapato technology tiles and polished granite when grouting should be cleaned according to Specifications, in a timely manner (within 20 minutes at a temperature of 23°C). Any extension of the time is likely to cause blurring on their surface and alter the original result.

The applied surface should be protected from rain and frost for at least 24 hours. The product contains cement and is classified as an irritant. We clean the tools with water immediately after use

Packaging 20kg cardboard box which includes 4 5kg plastic bags.

Certificates The product is certified according to EN 13888 as CG2.

Storage 12 months in the original closed packaging in a cool place protected from moisture.

Certificates The product is certified according to EN 13888 as CG2

Specifications

Form: Powder

Product performance: According to EN 13888 as CG2

Colours: 40 basic colours & 10 extra shades

Application open time (pot life) (ELOT EN 1346): ~90 min

Mixing ratio: ARMOSTOK 0-8

30-32% or 1,5-1,6 lit water for 5kg

Standard conations 28 days (EN 12808-3)

Flexural strength: 6,1N/mm² >3,5N/mm²

Compressive strength: 29 N/mm² >15N/mm²

Flexural Resistance after exposure to frost: 5N/mm² ≥ 3,5N/mm² after 28 days & 25

cycles

Compressive Resistance after exposure to frost: 22,3 N/mm² ≥15N/mm² after 28 days & 25 cycles

Water absorption (EN 12808-5):

After 30 min: 1,0 gr (≤ 2gr)

After 240 min: 2,1 (≤ 5gr)

Acid resistance: Good (for dilute acids and for non-continuous exposure)

Shrinkage (EN 12808-4): 0,833mm/m ≤ 2mm/m

Abrasion resistance EN 12808-2: 902mm³ (≤1000mm³)

Application temperature: +5°C until +35°C

Temperature resistance: -20°C until +70°C

Consumption Table Consumption in gr/m²

Tiles Dimension	Joint Thickness				
	1mm	2mm	3mm	4mm	5mm
20 X 20	200	350	500	700	900
30 X 30	150	250	350	450	500
40 X 40	100	150	250	350	400
12,5 X 25	250	400	600	800	1000

Safety instructions Armostok 0-8 Elastic is irritating, contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Joints Acrylic Grout

12. RR20 Armostok 2-20



Antibacterial waterproof cementitious acrylic grout. Acrylic antibacterial cement-based tile grout, for joints from 2mm to 20mm. It is characterized according to EN 13888 as CG2

Properties

- Mycostatic and bacteriostatic action.
- Contains special bacteriostatic additives, which do not allow the growth of a wide range of known bacteria in the joint.
- Very good mechanical resistance (does not rub).
- Excellent smooth matte surface.
- Does not shrink.
- Great moisture resistance.
- Easy to apply.

Fields of Applications It is applied to vertical and horizontal surfaces in kitchens, hospitals, kindergartens, changing rooms, schools, restaurants, etc. Available in 60 basic colours. The grouted surface is cleaned with a wet sponge.

Way of use

Substrate preparation

The substrate must be free of loose materials, dust, grease or other foreign substances. Pour the mortar into clean water (5kg product + 1.5-1.6l water) and mix with a mixer at low speed (400rpm) until it becomes a homogeneous mass. Leave it for 5 minutes in the bucket to homogenize and stir again. With the second stirring, the material becomes more pourable, facilitating its application.

Caution! The additional addition of water than specified significantly reduces the strength of the material, simultaneously presenting two colours and fading of the colour. The material is applied with a rubber or grouting trowel, pushing it diagonally towards the joints until they are properly filled. Excess material is removed almost immediately from the surface of the tiles with a wet sponge and clean water. The jointed surface must be protected from the sun, elevated temperatures, air currents and generally from factors that cause premature evaporation of the material's moisture.

Grouting must be done after:

- Wall 6-12 ours.
- Floor with glue 24-48 hours.
- Floor with quick setting glue 3-6 hours.
- Floor with cement mortar 7-14 days.

Additional notes Do not add cement, aggregates or additives to the product. Do not add water once the mortar has started

to set. Do not apply at temperatures below 5°C and above 35°C or during rain. When the application temperature is 5-8°C, then the substrate mixing and saturating water is recommended to be warm to warm, while at application temperatures of 30-35°C, the water is recommended to be cold.

Caution! Lapato technology tiles and polished granite when grouting should be cleaned according to Specifications, in a timely manner (within 20 minutes at a temperature of 23°C). Any extension of the time is likely to cause blurring on their surface and alter the original result. The applied surface should be protected from rain and frost for at least 24 hours. The product contains cement and is classified as an irritant. We clean the tools with water immediately after use

Packaging 20kg cardboard box which includes 4 5kg plastic bags.

Certificates The product is certified according to EN 13888 as CG2.

Storage 12 months in the original closed packaging in a cool place protected from moisture.

Certificates The product is certified according to EN 13888 as CG2.

Specifications

Form: Powder

Product performance: According to EN 13888 as CG2

Colours: 40 basic colours & 10 extra shades

Application open time (pot life) (ELOT EN 1346): ~90 min

Mixing ratio:

ARMOSTOK 2-20

30-32% or 1,5-1,6 lit water for 5kg

ARMOSTOK 2-20 ELASTIC

32-34% or 1,6-1,7kg ELASTMENT for 5kg

Standard conations 28 days (EN 12808-3)

Flexural strength: 7.3 N/mm² >3,5N/mm²

Compressive strength: 27.4 N/mm² >15N/mm²

Flexural Resistance after exposure to frost: 5N/mm² ≥ 3,5N/mm² after 28 days & 25

cycles

Compressive Resistance after exposure to frost: 22,3 N/mm² ≥15N/mm² after 28 days & 25 cycles

Water absortion (EN 12808-5):

After 30 min: 1,0 gr (≤ 2gr)

After 240 min: 2,1 (≤ 5gr)

Acid resistance: Good (for dilute acids and for non-continuous exposure

Shrinkage (EN 12808-4): 0,833mm/m ≤ 2mm/m

Abrasion resistance EN 12808-2: 902mm³ (≤ 1000mm³)

Application temperature: +5°C until +35°C

Temperature resistance: -20°C until +70°C

Consumption

Table Consumption in gr/m²

Dimension tiles	Joint Thickness				
	1mm	2mm	3mm	4mm	5mm
20 X 20	200	350	500	700	900
30 X 30	150	250	350	450	500
40 X 40	100	150	250	350	400
12,5 X 25	250	400	600	800	1000

Safety instructions

Armostok 2-20 is irritating, contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

For Professional Use

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions

Joint Acrylic Grout

13. RR3051 Super Epoxy

2-Component Epoxy Grout without Solvents

Professional 2-component epoxy joint, waterproof suitable for joints from 2-15mm. Marked according to EN 13888 as RG.

Properties

- Excellent Thixotropy
- High mechanical and chemical resistances
- Great tightness and hardness
- No solvents
- Easy application & cleaning
- Fields of Applications
- On floors and walls
- For internal and external, horizontal and vertical surfaces
- In areas underlaid with tiles that will be in temporary or permanent contact with chemicals
- Surfaces with heavy traffic stress
- Swimming pools, fountains and tanks of warm or non-warm water, unaffected by temperature changes
- Available in 40 basic colours and 20 special shades

Way of use

Substrate preparation

A necessary condition before grouting is that the tiles have been placed correctly and are perfectly fixed to the substrate.

Then the substrate of the joints to be covered must be of uniform depth, free from any adhesive residues, loose materials, dust, grease or other foreign substances.

Application

Pour component B into component A and mix well with a low-speed mixer for 2-3 minutes until a homogeneous mixture is obtained with the uniform colour of your choice.

With an elastic spatula you fill the joints with diagonal movements, while at the same time and with the same direction the extra material is removed from the surface of the tiles. The final cleaning is done with a special sponge, after each completion of application of the package, rinsing it often with water and again following the diagonal

direction. The ultimate goal is to achieve a smooth joint surface with fully cleaned tiles at the same time.

Cleaning tools

It is carried out with water before the product hardens.

Packaging

Containers - sets of 3, 5 and 10kg

Certificates

The product is certified according to EN 13888 as RG

Consumption

For any tile dimensions, but for joint thicknesses from 2mm to 12mm, use the formula below:

$(L + W/L * W) * \text{tile thickness} * \text{joint thickness} * 1.7 * \text{sq. app measure} = \text{Kilo}$

- L: tile length
 - W: tile width
- (Calculations inmm)

Storage

24 months in the original closed packaging in a cool place protected from moisture.

Technical data

Form: Pasty
Product performance: in accordance with EN 13888 as RG
Colours: Available in 40 basic colours and 20 special shades
Open time: ~90min
Density A+B: $\approx 1,64\text{kg/cm}^3$
Application temperatures: from +10 °C to +30 °C
Walkability: $\approx 24\text{ h}$
Ready for use: $\approx 3-4\text{ d}$
Acid resistance, bases & salts: Good (for dilute solutions of these for non-continuous exposure)



Packaging

- Set 3Kg A: 2.720kg + B: 0.280kg
- Set 5Kg A: 4.540kg + B: 0.460kg
- Set 10Kg A: 9.080kg + B: 0.920kg

Product performance

Product performance	Standard requirements	EN Controls
Flexural strength		
39,2 N/mm ²	$\geq 30\text{ N/mm}^2$	EN12808-3
Compressive strength		
52,3 \pm 0,5N/mm ²	$\geq 45\text{ N/mm}^2$	EN12808-3
Flexural strength, after cycles cooling-heating		
33,1 N/mm ²	$\geq 30\text{ N/mm}^2$	EN12808-3
Compressive strength, after cycles cooling-heating		
47,8 \pm 0,6N/mm ²	$\geq 30\text{ N/mm}^2$	EN12808-3
Water absorption after 240min		
<0,1gr	$\leq 0,1\text{gr}$	EN12808-5
Drying shrinkage		
0.3mm/m	$\leq 1.5\text{mm/m}$	EN12808-4

Safety instructions

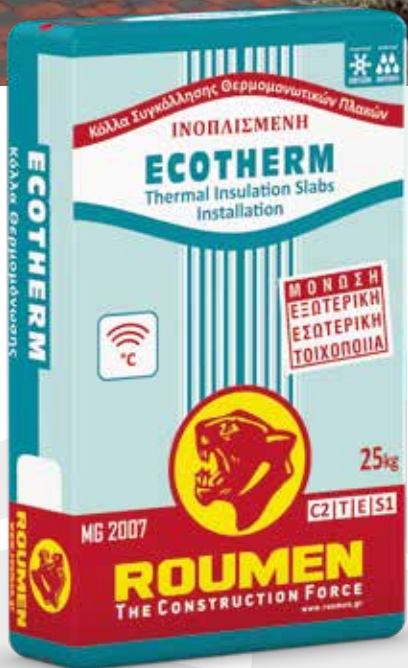
The product is intended for professional use. Before using the material, consult the instructions for safe use on the labels of the product packages.

Caution! In case of contact, immediate hand washing with soap and water is necessary. The contact of the material with the skin may create «irritation» so the use of gloves is recommended.

For Professional Use

Disclaimer

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Superior Thermal Insulation!

2700 EcoTherm

Reinforced glue and coating of thermal insulation boards

Fibre-reinforced, white cement-based adhesive, reinforced with appropriately selected resins. Provides high adhesive capacity, flexibility and moisture resistance.

Properties

- External thermal insulation systems.
- Adhesive material for thermal insulation boards.
- Basic coating on the thermal insulation boards and before the application of ECOVEDI.
- High adhesive ability.
- Low water absorption.
- High water vapour permeability.
- Suitable for levelling troweling - filling cracked old cementitious substrates.



ROUMEN

Joists Acrylic Grout **Color Chart**

ArmoGlam

1 Pale Silver



6 Sage



11 Morning Blue



2 Mellow Apricot



7 Shadow Green



12 Opal



3 Copper Red



8 Chinese Green



13 Jet Stream



4 Pearl



9 Light Moss Green



14 Pewter Blue



5 Sunny



10 Laurel Green



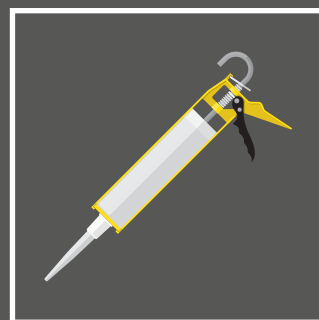
15 Light Cobalt Blue



Also available:



Epoxy Resin



Silicone



ROUMEN

ArmoStok

70 White



31 Light Grey



32 Silver



21 Grey



23 Dark Grey



24 Grey RAL 7045



26 Basalt Grey



25 Anthracite



51 Black



30 Pearl Grey



22 Pebble Grey



20 Cement Grey



34 Ferro Grey



33 Grey Blue



29 Mint



76 Crème



64 Pearl Beige



65 Dark Pearl Beige



67 Light Ochre



70 Bahamas Beige



62 Light Beige



60 Dark Beige



35 Bone



68 Anemone



81 Ivory



82 Dark Ivory



36 Limestone



69 Sand



83 Vanilla



61 Beige



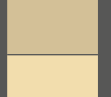
37 Grey Beige



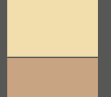
38 Earth Brown



39 Caramel



40 Chocolate



41 Brown



42 Chestnut



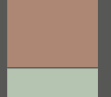
44 Wenge



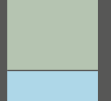
45 Maroon



46 Green



47 Blue Gray



Plaster

14. 900 Plaster R

Ready plaster of one layer

Properties

- Very good adhesion to the substrate.
- It is hydrophobic and at the same time allows the breathability of the structural element
- Used for indoor and outdoor use.
- Final surface, ready to be painted.
- Easy and quick application.
- Very good workability.
- Excellent breathability of the structural element.

Way of use

Substrate preparation

The substrate must be durable, free of friable materials, dust, oil or other foreign matter.

Method of application

Mix the contents of the 25kg paper bag with approximately 6.5 to 6.75 liters of clean water in the mixer (concrete mixer). The plaster is applied to the surface in overlapping layers in the traditional way (trowel, trowel) or with the launch machine. The application of the next layer follows when the previous one has sufficiently "pulled".

The thickness of the layer should not exceed 3cm. After applying the last layer, let the product "pull" sufficiently and then, after wetting it slightly, rub it and smooth it with a sponge sander. For an even better end result, sanding can be done with an automatic sanding machine.

Fields of application

It is used for the manufacture of coatings in external and internal spaces, where speed of work is required.

Specifications

- Form Grey, White, Beize
- Grain size max 1,3mm
- Density of dry mortar 1.25kg/cm³
- Density of wet mortar 1.45kg/cm³
- Compressive strength 1,7 N/mm²
- Flexural strength 3,9 N/mm²
- Adhesion 28 days 0.7 N/mm²
- Capillary water absorption ≤0,2
- Coefficient of thermal conductivity: 0.47W/(mK)
- Maximum thickness in 1-layer 3cm
- Mixing ratio 6.5-6.75lit of water to 25kg of mortar
- Pot life 5 hours

Colours

- 902 Plaster R2 White
- 904 Plaster R4 Grey
- 906 Plaster R6 Beige

Consumption

Approximately 15kg/m²/cm layer thickness.

Storage

At least 12 months from the date of production in closed packaging in a place protected from moisture.

Packaging

5, 10, 20kg bags.

Cleaning

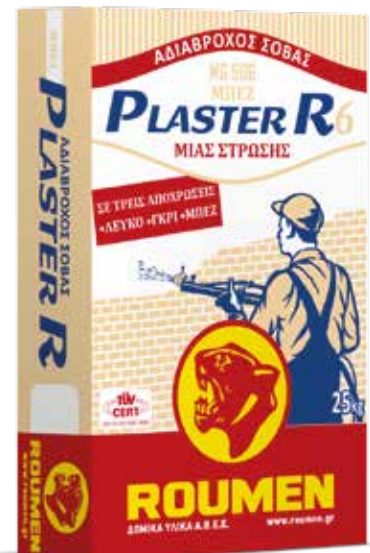
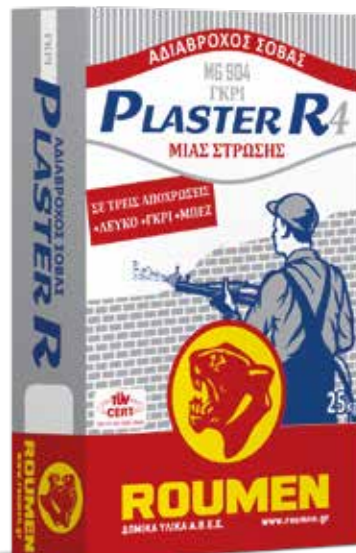
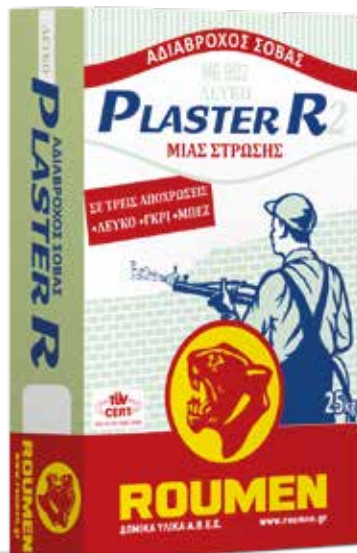
Tools are cleaned with water immediately after use.

Health, Safety and Environmental Protection Guidelines

Plaster R is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those who are predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data.

Disclaimer

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Plaster

15. 912 Sova Classic

One-layer fine-grained white plaster

Ready-made white dry cementitious one-layer mortar with a maximum grain size of up to 0.8mm.

Properties

- Suitable for indoor and outdoor use.
- Excellent adhesion to the substrate..
- Stable quality.
- Excellent surface finish.
- Easy to apply.

Fields of Applications

It is applied to internal and external surfaces and replaces the two layers of traditional plaster with one. It is easy to abrade giving a smooth surface suitable for spatulating.

Way of use

Mix with clean water until the desired consistency is achieved. Mixing is done with a mixer or by hand where required.

Before its application, a base layer of throwaway is required. Then the fresh mortar of SOVA CLASSIC is applied in successive layers of 2.5mm with a maximum thickness of up to 1.5 cm and after "pulling" sufficiently, the applied surface is treated with a suitable sander.

Consumption

Indicative Consumption 8kg/m² per cm of thickness.

Packaging

Paper bags of 25kg.

One coat interior & exterior coating

Specifications

- Form: White
- Grain size: max 0.8mm
- Mixing ratio: 21-22% of water to 25kg of Sova
- Density of wet mortar: 1.40kg/cm³
- Application temperature: 5-35°C
- Air content: 3.8%
- Adhesion 28 days: 0.4 N/mm²
- Compressive strength: 3.5 N/mm² CS II
- Capillary water absorption: ≤0,8kg/m²/min1/2
- Water vapor permeability: 0.3/0.18W/(mK)
- Reaction to fire: Class A1

Storage

12 months in the original closed packaging in a cool place protected from moisture

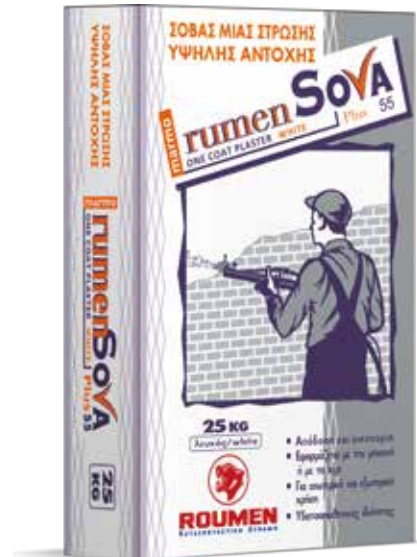
Health, Safety and Environmental Protection Guidelines

Contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice.

Keep out of reach of children · If you seek medical advice take the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell May cause an allergic reaction. Do not empty it down the drain. For more information on the safe use of the product consult the Product Safety Data Sheet. Tel. Poison Center 2107793777.

Disclaimer

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Spatula Putty

16. 3050 Covertina

Super white putty putty

Covertina is a resinous, fine-grained white cement putty.

Properties

- Smooth final surface
- Unique ease of application and layering spreads with characteristic ease on the surface without hanging
- Characteristic ease of sanding for the final smoothing of details that gives a smooth ultra-white surface.
- Excellent durability
- Will not crack even if applied at a thickness of 5mm to the substrate.

Fields of Applications

Suitable for finishing internal walls and ceilings of various substrates such as cement plaster, gypsum plaster, concrete, plasterboard, but also for renovations of old painted walls. The prepared mixture is applied with a spatula, with a roller.

Way of use

The substrate must be stable and free of dust, grease, friable materials, etc. Before applying Covertina, the surface of the substrate must be thoroughly moistened. Put water in a clean container and add Covertina gradually and with constant stirring, in a ratio of ~3:1 by weight to water, until a particularly homogeneous pasty paste is created, suitable for spatulation.

Consumption

Indicative Consumption 1.3-1.5kg/m²/mm thickness



Packaging

Paper bags of 5 and 20kg.

Specifications

Percentage of mixing water	32-34%
Specific gravity fresh	1400kg/m ³
Application temperature	5-35°C
Adhesion	1.5 N/mm ²
Compressive strenght	6.0 N/mm ²
Water absorption	0.42kg/m ² /min ^{1/2}
Shelf life in container	4-6h at +20°C
Reaction to fire	Class A1

Storage

12 months in the original closed packaging in a cool place protected from moisture.

Health, Safety and Environmental Protection Guidelines

Contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. Keep out of reach of children .If seeking medical advice have product container or label with you .Do not get in eyes, skin or clothing Call POISON CENTER or a doctor if you feel unwell May cause an allergic reaction. Do not empty down the drain. Dispose of contents in accordance with current legislation Tel. Poisons Center: 2107793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Spatula Putty

17. 3010 Ovio

Spatula cement

Resinous, fine-grained cement mortar suitable for smoothing concrete surfaces.

Properties

- Suitable for indoor and outdoor use.
- Excellent adhesion to the substrate.
- Very good workability.
- Smooth finished surface, ready to paint.
- Only with the addition of water is the mortar ready for use.
- Minimizes the risk of cracks.
- Rubs easily.
- Weather and frost resistant.
- Does not contain chlorides or other salts, which cause corrosion or peeling.

Fields of Applications

Smoothing and repairing concrete. Sealing concrete cracks, pores and nests.

Way of use

The substrate must be stable and free of dust, grease, loose materials, etc. Before application, the surface of the substrate must be well wetted.

Put water in a clean container and add gradually and with constant stirring, in a ratio of water ≈3:1 by weight, until a particularly homogeneous pasty paste is created, suitable for spatulating.

Consumption

Indicative Consumption 1.4kg/m²/mm thickness



Packaging

Paper bags of 5 and 20kg.

Specifications

Percentage of mixing water	34-36%
Specific gravity fresh	1400kg/m ³
Application temperature	5-35°C
Adhesion	1.5 N/mm ²
Compressive strenght	6.2 N/mm ²
Water absorption	0.42kg/m ² /min ^{1/2}
Shelf life in container	4-6h at +20°C
Reaction to fire	Class A1

Storage

12 months in the original closed packaging in a cool place protected from moisture.

Health, Safety and Environmental Protection Guidelines

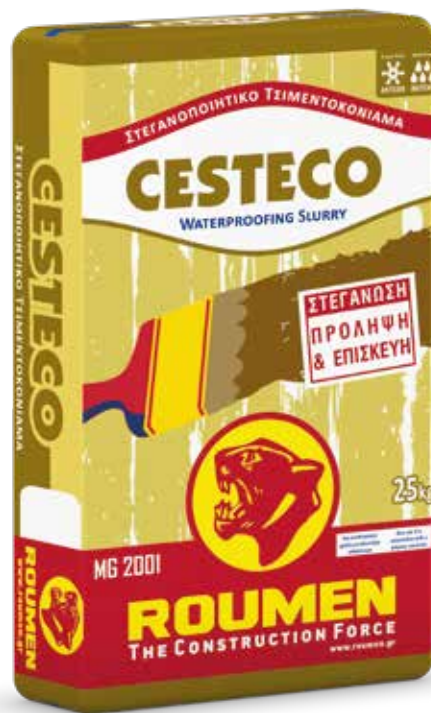
Contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice.

Away from children. If you seek medical advice take the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell May cause an allergic reaction. Do not empty it down the drain.

Disposition of content in accordance with applicable law. Tel. Poison Center 2107793777. Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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CESTECO

2001 Cesteco

Cement mortar

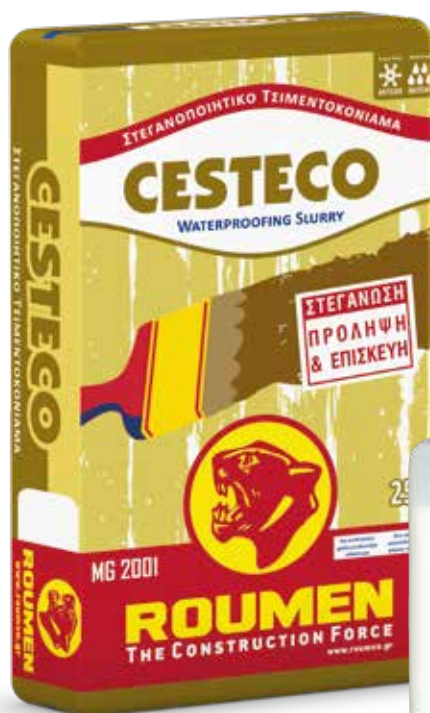
25kg

5kg

781 Liquid elastizer 1kg

+

2001 Cement mortar 4kg



33kg

781 Liquid elastizer 8kg

+

2001 Cement mortar 25kg



Waterproofing

18. 2001 Cesteco

Cementitious waterproofing slurry

Spreadable cementitious waterproofing slurry for inorganic substrates such as walls, floors, etc. of one component consisting of selected polymers and aggregates.

Properties

- Protects surfaces from positive and negative hydrostatic pressures and protects them from corrosion.
- Creates an ideal adhesion environment with cementitious tile adhesives.
- It is easy to use and economical.
- After application, the substrate breathes and can be coated (paint, plaster, glue)
- Crack bridging
- Suitable for indoor and outdoor use.
- Excellent adhesion to the substrate..
- Water vapor permeable.
- Stable quality.
- Excellent surface finish.
- Easy to apply.

Fields of Applications

- In two layers on internal and external surfaces
- Waterproofing under tiles
- Waterproofing of footings and foundations
- Waterproofing of basements and wells
- Terraces

Substrate preparation

The surface to be applied must be clean and free of grease, loose materials, dust, stagnant water, etc. It must also be soaked to saturation before application or primed with RE20 ELASIMER.

The substrate temperature must be between +5°C and +35°C.

Method of application

We mix 25kg of product with 9-9.5l of water by gradually adding the mortar to the water and stirring with a drill at low speeds until a homogeneous fluid mass without lumps is created. After mixing, the product takes the form of a thick mass and is applied with a brush, roller or brush. It is applied in two layers at least. The application of the second layer is done when the first has started to dry (after about 2-3 hours at 20°C).

If the surface to be waterproofed is large, permanently stressed by moisture, has capillary cracks or vibrates, it is recommended to elasticize the product with the liquid elasticizer ELASTMENT.

Small elasticity requirement

25kg CESTECO + 2kg ELASTMENT + Water

Great flexibility requirement

25kg CESTECO + 3kg ELASTMENT + Water

Specifications

Form	Cementitious slurry
Colours	White & Grey
Mixing ratio	9-9,5 lit of water to 25kg of Cesteco
Density of fresh mortar	1.37gr/m ³
Working time (20°C,50%RH)	90min
Waiting time for second layer(20°C,50%RH)	24hours
Maximum layer thickness	1mm
Number of layers	At least 2
Compressive strength (EN 1015-11)	5.2N/mm ²
Water vapour diffusion coefficient	0.117m

Consumption

Indicative Consumption 1.2-1.5kg/m²/mm

Observations

The finished surface should be protected from high temperatures and not straining the first 4 days. The environmental conditions play a decisive role in the ripening of the product.

Storage

The two components of CESTECO must be stored and kept in their original form in a shaded place, away from sunlight and at temperatures between 5°C and 35°C for at least 12 months.



Cleaning

Tools are cleaned with water immediately after use.

Safety instructions

Contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. Poison Center 2107793777. Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Waterproofing

19. CesteFlex System

Two-component waterproofing slurry

Waterproofing flexible spreadable two-component s. Consisting of cement, hydrophobic polymers with chemical additives and quartz aggregates of component A and the liquid acrylic plasticizer – component B

- Sealing for high demand
- Crack bridging
- Suitable for indoor and outdoor uses
- Excellent adhesion to substrate.
- Water vapor permeable.
- Suitable for continuous contact with water.
- Stable quality.
- Excellent surface finish.
- Easy to apply.

Application

- In two layers on internal and external surfaces
- Waterproofing under tiles
- Waterproofing of footings and foundations
- Waterproofing of basements and wells
- Terraces
- Water tanks
- Swimming pools

Substrate preparation

The surface to be applied must be clean and free of grease, loose materials, dust, stagnant water, etc. It must also be thoroughly wetted before application or primed with RE20 ELASIMER. The temperature of the substrate must be from + 5°C to +35°C.

Mixing

The A component – mortar is gradually added to the liquid B component under constant stirring and low revolutions until a homogeneous slurry is formed that can now be applied. We wait 5 minutes - the mixture matures and stir the mixture again so that it is ready for application with a brush or brush.

Consumption

Indicative Consumption 1.5kg /m²/mm

Mixing ratios – Packages

Component A :

Component B = 25kg : 9kg and

= 5kg : 1.8 - 2kg

Specifications

- Form: Cementitious slurry
- Colours: White & Grey
- Density of fresh mortar: 1.8gr/m³
- Grain size: DMAX = 0.6mm
- Tensile adhesion strength (EN 1542): 1,60N/mm²
- Capillary water absorption (EN1062-3): 0,02kg/m²/h0.5
- Water vapor permeability (EN ISO 7783): 4,1 m
- Permeability to CO₂ (EN1062-6) : 60m
- Working time (20°C,50%RH): 3hours
- Number of layers: At least 2



Storage

The two components of CESTE FLEX SYSTEM must be stored and kept in their original form in a shady place, away from sunlight and at temperatures between 5°C and 35°C for at least 12 months.

Safety instructions

CESTEFLEX SYSTEM

(A component) contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those who are predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice.

(B component) Keep away from children If you seek medical advice have the product container or label with you Do not come into contact with eyes, skin or clothing Call the POISON CENTER or a doctor if you feel unwell Contains 1,2 benzisothiazol-3(2)-one and a mixture of: 5-chloro-2 methyl-4 isothiazolin-3-one with 2-methyl-2H-isothiazol-3-one (3:1) May cause an allergic reaction Do not empty down the drain Dispose of container contents in accordance with applicable legislation Caution when spraying dangerous inhalable particles may form Do not inhale mist or droplets.

Tel. Poisons Center: 2107793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Waterproofing

20. 2005 Roof

Acrylic air-drying roof coating

Acrylic polymer product spreadable elastomer to create a waterproof membrane of great elasticity and strength.

Properties

- Strong adhesion
- Breathability and low water absorption
- Easy application combined with quick drying.
- Resistant to rain, moisture, frost, solar radiation while maintaining its white colour.
- High elasticity, a property that makes it tolerate cracks in the background and cover the surface uniformly without
- It is easily applied and provides sealing solutions in corners, edges and uneven substrates.
- Has great resistance to time

Application fields

- Terraces, roofs with or without slope
- Bras
- Gutters, plasterboards, etc.

Application process

Preparation substrate

The surface must be dry, stable and clean of dust, residues and loose old applications, without stagnant water. Sanding is recommended to prepare the surfaces. Before applying, apply a coat of SILANTPRIM or alternatively for loose and absorbent surfaces ELASIMER RE02, as is.

Application

Shake well before use. It is applied in two layers, the second crosswise, with a roller or brush. The environmental conditions of application must

be from 5°C to 35°C with a relative humidity of not more than 70%, avoiding the risk of impending rain. The product is dry to the touch in less than 1 hour and ready to receive the second coat within 3-4 hours.

Consumption

Approximately for two 1.3-1.5kg/m².

Specifications

Form	Liquid
Colour	White
Density	1.46±0.04kg/l
Adhesion	>1.5 N/mm ²
Permeability CO2	>50m
Water absorption	<0.1kg/m ² /h0.5
Water vapor Permeability	<5m
Application temperature	+5°C to +35°C

V.O.C (Volatile Organic Compounds)

According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content (Product category i / Type WB) is 140g/l (2010 limits) for a ready-to-use product. The ready-to-use ROOF has a maximum content of <5.2g/l.



Packaging

Available in containers of 1kg, 5kg & 15kg.

Storage

At least 12 months. Containers should be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C

Health safety and protection guidelines environment

Keep out of reach of children · If seeking medical advice have product container or label with you · Do not get in eyes, skin or clothing · Call POISON CENTER or a doctor if you feel unwell · Contains 1,2 benzisothiazol-3(2)-one and mixture of: 5-chloro-2-methyl-4 isothiazolin-3-one with 2- methyl-2H- isothiazol-3-one (3:1) May cause an allergic reaction · Do not empty it down the drain. Dispose of the contents of the container in accordance with the applicable legislation · Caution during spraying dangerous inhalable particles may be formed. Do not inhale mist or droplets.

Tel. Poison Center 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Waterproofing

21. 2006 Roof Hybrid

Hybrid air drying roof coating

Hybrid product of acrylic polymer with polyurethane to create a waterproof membrane of great elasticity and resistance.

Properties

- Strong adhesion.
- Breathability and low water absorption.
- Achieving fast endurance.
- Easy application combined with quick drying.
- Resistant to rain, moisture, frost, solar radiation while maintaining its white colour.
- High elasticity, a property that makes it tolerate cracks in the background and cover the surface uniformly without.
- It is easily applied and provides sealing solutions in corners, edges and uneven substrates.
- Has great resistance to time.

Application fields

- Terraces, roofs with or without slope
- Bras
- Gutters, plasterboards, etc.

Application process

Preparation substrate

The surface must be dry, stable and clean of dust, residues and loose old applications, without stagnant water. Sanding is recommended to prepare the surfaces. Before application, apply a coat of ELASIMER RE20 or alternatively for loose and absorbent RELATEX surfaces, as is

Application

Shake well before use. It is applied in two layers, the second crosswise, with a roller or brush. The environmental conditions of application must

be from 5°C to 35°C with a relative humidity of not more than 70%, avoiding the risk of impending rain. The product is dry to the touch in less than 1 hour and ready to receive the second coat within 3-4 hours.

Consumption

Approximately for two 1.3-1.5kg/m².

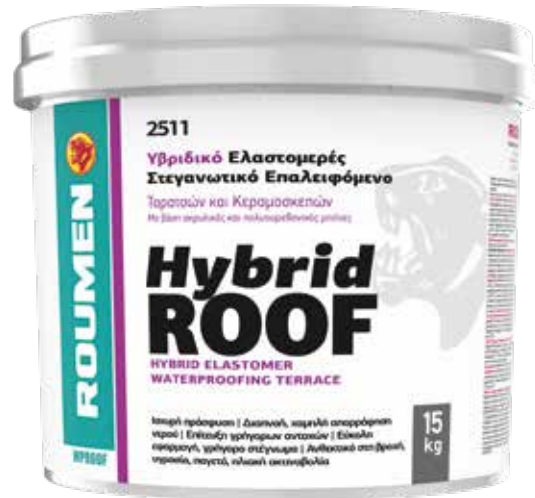
Specifications

Form	Liquid
Colour	White
Density	1.44±0.04kg/l
Adhesion	>1.5 N/mm ²
Permeability CO2	>50m
Water absorption	<0.1kg/m ² /h0.5
Water vapor Permeability	<5m
Application temperture	+5°C to +35°C

V.O.C (Volatile Organic Compounds)

According to Directive 2004/42/EC Annex II, Table A, the maximum

V.O.C content according to Directive 2004/42/EC is 140g/l (2010). Category i: Type: WB. The ready-to-use ROOF HYBRID has a maximum content 6.8g/l.



Packaging

Available in containers of 1kg, 5kg & 15kg.

Storage

At least 12 months. Containers should be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C

Health safety and protection guidelines environment

Keep out of reach of children · If seeking medical advice have product container or label with you · Do not get in eyes, skin or clothing · Call POISON CENTER or a doctor if you feel unwell · Contains 1,2 benzisothiazol-3(2)-one and mixture of: 5-chloro-2 methyl-4 isothiazolin-3-one with 2- methyl-2H- isothiazol-3-one (3:1) May cause an allergic reaction · Do not empty it down the drain. Dispose of the contents of the container in accordance with the applicable legislation · Caution during spraying dangerous inhalable particles may be formed. Do not inhale mist or droplets.

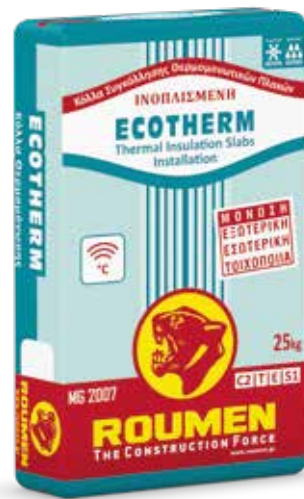
Tel. Poison Center 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

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Thermal insulation



Thermal insulation

22. 908 ECOVEDI

Acrylic water-repellent render

Ready-to-use acrylic pasty plaster of a wide range of shades, graded grain size to create a smooth surface.

Properties

- Replaces common plaster.
- It has very good adhesion to many substrates.
- Does not crack.
- It is water-repellent and at the same time breathable
- Resists temperature changes.
- It has stable particle size and quality.
- It is particularly easy and quick to apply.
- Easy to transport.
- Can be used indoors and outdoors.
- Eliminates the need to paint the finished surface.

Substrate preparation

The substrate must be clean, free of loose materials, dust, oil or other foreign substances. On the surface applied with ECOTHERM, it is recommended to apply the KINGS quartz primer after drying, followed by the application of ECOVEDI.

Application instructions

The product is first stirred well and then applied with a stainless steel or spray machine. While the material is still fresh, it is rubbed with a smooth plastic spatula to create a finished surface. The processing time of the material depends directly on the weather conditions and on the absorbency of the surface.

Do not apply at temperatures below 5°C and above 35°C and above 65% relative humidity.

Drying time

4-6 hours (20°C, 65% R.H.). Avoid application under the sun's rays as well as when it is raining or freezing. Protect from rain for 24 hours. For surfaces that cannot be covered in one day, stop joints should be provided, e.g. darkness etc.

Specifications

Form: Pasty

Density: 1,83 ± 0,03kg/lit

Water vapor permeability (EN ISO 7783:2011): >150 g/m².d Category V1

Water permeability (EN 1062-3:2008): < 0.5kg/m²h0.5 Category W2

Adhesion (EN 1542:2002): 0,62 MPa

Adhesion (EN 13494:2003) of ECOVEDI on ECOTHERM: 320 KPa

Thermal conductivity (EN 1754:2012): 0,85W/m.K

Shades: 260 shades with the RUMEN colouring system



Granulometry & Consumption

Measurements inmm

Granulometry	Thickness	Consumption
ECOVEDI 0,8	0,8	1.5kg/m ²
ECOVEDI 1.0	1.0	1.8kg/m ²
ECOVEDI 1.5	1.5	2.5kg/m ²
ECOVEDI 2.0	2.0	3.0kg/m ²
ECOVEDI 2.5	2.5	3.5kg/m ²

VOC (Volatile Organic Compounds)

The maximum VOC content according to Directive 2004/42/EC is 40gr/lit (2010). (Category A: "c", Type: Y, For external walls of mineral substrate). The product contains a maximum of 34gr/lit.

Packaging

Available in 25kg plastic containers

Cleaning

Tools are cleaned with water immediately after use.

Storage

Containers must be stored and kept closed in the shade, away from sunlight and at temperatures between 5 °C to 35 °C for at least 18 months in the original closed surface.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Thermal insulation

23. 2701 EcoTherm R35

White fiber-reinforced glue and coating of thermal insulation boards

The ECOTHERM R35 is a white fiber-reinforced adhesive, reinforced with polymers and other improvers additives. It is applied to external thermal insulation systems (thermal facades) as an adhesive material of the thermal insulating plates on the external wall and as a basic coating over the thermal insulating plates with integrated glass mesh reinforcement. It is classified as a CS IV class mortar and a C2TE class adhesive.

Properties

High adhesive Properties of the heat-insulating plates.

- Expanded polystyrene (EPS).
- Extruded polystyrene (XPS).
- Mineral wool (MW).
- Basic coating on the heat-insulating plates and before its application ECOVEDI.
- Low water absorption.
- High water vapor permeability.
- Smoothing and filling of cracked old cement substrates.

Substrate preparation

Substrates must be clean, free of loose materials, old paint, peeling backfill surfaces, dust, oil or other foreign substances. They are smoothed where required with ECOTHERM R35.

Highly absorbent surfaces are primed with ROUMEPRIMER or with KINGS. The welding of the plates is done after the primer has dried. Before starting work, structural elements that are at risk of getting dirty must be covered.

Mixing

For each 25kg bag of ECOTHERM R35 approximately 6.5 – 6.75L of water is required. The material is added to the water gradually with stirring until the mixture obtains a proper homogeneity without lumps. An electrically driven low-speed mixer (up to 600 rpm) is used with the aim of not entrapping air in the mixture. After a waiting-curing time of 5-10 minutes, the mixture is stirred again before its application. The waiting time of the material in the bucket (Pot life) should not exceed 2-3 hours, so as much material should be prepared as can be applied within two hours.

Application instructions

The application as glue is done in the form of a perimeter cord of width and height of 5cm and 2cm respectively, inside we deposit a quantity of the glue in 3-6 places,

with a trowel. On walls with good flatness the adhesive can be applied with a notched trowel (teeth 10-12mm) over the entire surface of the slab. The amount of glue must cover at least 40% of the thermal insulation boards and depends on the flatness of the application surface

Freshly applied slabs must be treated (sealing, smoothing the surface) after twenty-four hours.

Factors affecting the application of the adhesive:

- Flatness of the substrate.
- Size of the thermal insulation plates.

The application as a coating is applied to a minimum thickness of 3mm, due to the small thickness it is necessary to reinforce it with a special glass mesh reinforcement that is integrated into the mass of the material. First combing is done with a 10-12mm toothed spatula, then the glass mesh is boxed and pressed by shaving in the next step we remove the excess material.

Do not apply at temperatures below 5°C and above 35°. You protect the fresh material during the drying phase both from frost and from rapid drying due to direct exposure to solar radiation and / or the effect of wind.

Specifications

Form: White

Water requirement: 29-31% (7.25-7.75lit for 25Kg ECOTHERM R35)

Density of dry mortarr: 1,47± 0,1kg/l

Density of wet mortar: 1,58± 0,1kg/l

Pot life: >3h

Open time: 25min

Flexural strength: 5.8 N/mm² (Κατηγορία CS IV)

Adhesion 28d to concrete: 1,4 N/mm²

Adhesion 28d to EPS: 0.9 N/mm²

Capillary water absorption: < 0.52kg/m²h 0.5

Coefficient of thermal conductivity (λ10,dry):



0,50 W/m.K

Water vapor diffusion coefficient (factor-μ): 5/20 (value EN 1745)

Packaging

Is available in 25kg bags.

Storage

12 months in the original closed packaging in a cool place protected from moisture.

Health, Safety and Environmental Protection Guidelines

ECOTHERM R35 contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. Keep out of reach of children .If seeking medical advice have product container or label with you .Do not get in eyes, skin or clothing Call POISON CENTER or a doctor if you feel unwell May cause an allergic reaction. Do not empty down the drain. Dispose of contents in accordance with current legislation

Tel. Poisons Center: 2107793777

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Thermal insulation

24. 2700 EcoTherm

Reinforced glue and coating of thermal insulation boards

Fiber-reinforced, white cement-based adhesive, reinforced with appropriately selected resins. Provides high adhesive capacity, flexibility, and moisture resistance. Classified as a tile adhesive C2TES1.

Properties

- External thermal insulation systems.
- Adhesive material for thermal insulation boards.
- Basic coating on the thermal insulation boards and before the application of ECOVEDI.
- High adhesive capacity.
- Low water absorption.
- High water vapor permeability.
- Suitable for leveling troweling – filling cracked old cementitious substrates

Indicated heat insulating materials. Plates:

- Expanded polystyrene EPS.
- XPS extruded polystyrene.
- MW mineral wool.

Substrate preparation

Substrates must be clean, free of loose materials, old paint, peeling backfill surfaces, dust, oil or other foreign substances. They are smoothed where required with ECOTHERM. Highly absorbent surfaces are primed. The plates are glued together after the primer has dried. Before starting work, structural elements that are at risk of getting dirty must be covered.

Mixing

For each 25kg bag approximately 7 – 7.5L of water is required. The material is added to the water gradually with stirring until the mixture obtains a proper homogeneity without lumps. An electrically driven low-speed mixer (up to 600 rpm) is used with the aim of not entrapping air in the mixture.

After a waiting-curing time of 5-10 minutes, the mixture is stirred again before its application. The waiting time of the material in the bucket (Pot life) should not exceed 2-3 hours, so as much material should be prepared as can be applied within two hours.

Application instructions

The application as glue is done in the form of a perimeter cord of width and height of 5cm and 2cm respectively, inside we deposit a quantity of the glue in 3-6 places, with a trowel. On walls with good flatness the glue can be applied with a notched trowel (teeth 10-12mm) over the entire

surface of the slab.

The amount of glue must cover at least 40% of the thermal insulation boards and depends on the flatness of the application surface. Freshly applied slabs must be treated (sealing, surface smoothing) after twenty- four hours.

Factors affecting adhesive application.

Flatness of the substrate.

Size of the thermal insulation plates. The application as a coating is applied at a minimum thickness of 3mm, due to the small thickness it is necessary to reinforce it with a special glass mesh reinforcement that is integrated into the mass of the material. First combing is done with a 10-12mm toothed spatula, then the glass mesh is boxed and pressed by shaving in the next step we remove the excess material.

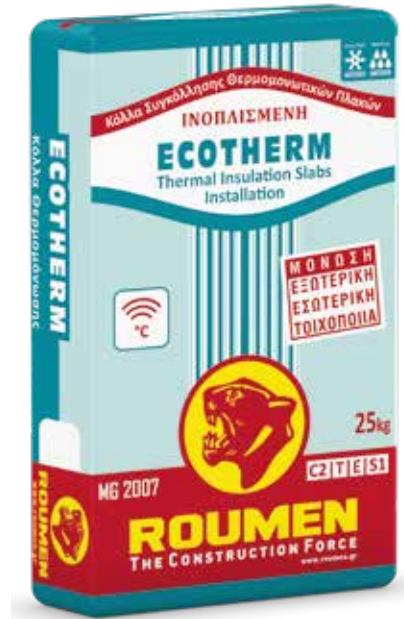
Do not apply at temperatures below 5°C and above 35°C. You protect the fresh material during the drying phase both from frost and from rapid drying due to direct exposure to solar radiation and / or the effect of wind.

Specifications

- Form: White
- Water requirement
- 29-31% (7.25-7.75lit for 25Kg ECOTHERM R35)
- Density of dry mortarr 1,45± 0,1kg/l
- Density of wet mortar 1,57± 0,1kg/l
- Pot life > 3 h
- Open time 25 min
- Flexural strength
- 6,1 N/mm² (Κατηγορία CS IV)
- Adhesion 28d to concrete 1,54 N/mm²
- Adhesion 28d to EPS 0.08 N/mm²
- Capillary water absorption
- < 0.54kg/m²h 0.5
- Coefficient of thermal conductivity (λ10,dry) 0,52 W/m.K
- Water vapor diffusion coefficient (factor-μ) 5/20
- (value EN 1745)

Packaging

Is available in 25kg bags.



Storage

It can be kept unchanged for at least 12 months in closed bags on pallets, stored in covered areas, protected from moisture.

Health, Safety and Environmental Protection Guidelines

ECOTHERM contains cement, which when in contact with sweat produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. Keep out of reach of children .If seeking medical advice have product container or label with you .Do not get in eyes, skin or clothing Call POISON CENTER or a doctor if you feel unwell May cause an allergic reaction. Do not empty down the drain. Dispose of contents in accordance with current legislation

Tel. Poisons Center: 2107793777

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Cement Mortar

25. RT100 Relleno

Flooring cement mortar

Ready-to-use mortar consisting of cement, selected aggregates, and special additives, which makes it suitable for filling and levelling floors.

Propertes

- Repairs of high demands for concrete elements.
- Suitable for cementitious substrates.
- High adhesive capacity on the properly prepared concrete surface.
- Very good workmanship
- Resistant to weather changes after reaching its strength.

Substrate preparation

A clean surface of friable materials and corroded or carbonized sections of concrete with the aid of a hammer or trowel or sandblasting is required.

Before applying RT100 Relleno, the substrate surface must be thoroughly wet or mix RENTEX S47 to cement in proportions 1:1

Mixing- Application instructions

In a clean container, add 5.5-6 liters of clean water and gradually pour the contents of 25kg of RT100, stirring continuously so that a homogeneous mixture is obtained. After letting the mixture rest for 5 minutes, mix again. Do not add additional water after the initial mixing has been completed because its addition causes deterioration - reduced strength, increased shrinkage and unsafe adhesion.

For smaller amounts of product, weigh out the required amount of water by calculating 22-24% by weight of the weighed weight of RT100 Relleno.

The mixed product is applied in the traditional way of making floor mortars. The smoothing of the surface is carried out with a metal pry bar and the grinding with a metal spatula. Layer thickness from 10 to 20mm.

Specifications

Form	Grey
Water requirement	22-24 % (5.5-6)lt for 25Kg RT100 Relleno
Density of dry mortar	2.20± 0,1kg/l
Density of wet mortar	1,45± 0,1kg/l
Pot life	60min
Compressive strength	>20 N/mm ²
Flexural strength	>4 N/mm ²
Adhesion 28d to concrete	> 2N/mm ²



Consumption

About 14.5Kg/m²/cm layer thickness

Packaging

Is available in 25kg bags.

Storage

It can be kept unchanged for at least 12 months in closed bags on pallets, stored in covered areas, protected from moisture.

Cleaning

Tools are cleaned with water immediately after use.

Health, Safety and Environmental Protection Guidelines

RT100 Relleno is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Cement Mortar

26. RT45 Nivel

Self-levelling cementitious floor

Self-levelling cementitious screed, for layers up to 45mm thick, reinforced with polymers.

Fields of application

Pourable and levelling of surfaces made of concrete, cement mortar, mosaic, etc., which are to be covered with tiles, carpet, plastic, or wooden flooring, etc. Final coating for floors of basements, warehouses, etc.

Substrate preparation

The substrate must be stable, strong, without cracks and voids, cleaned of dust, oil, grease and friable debris.

Before applying the material, the substrate should be primed with powerGRIP and then while it is still fresh primed surface is its application level.

Mixing - Application Instructions

In a clean container, add approximately 5.75 liters of clean water and gradually pour the contents of the 25kg level stirring constantly with an electric mixer and low revolutions so that a homogeneous mixture without lumps is obtained.

We pour the mixture on the prepared floor in one layer, and it is spread to the desired thickness with a large, toothed metal spatula.

The material is levelled by itself and immediately passed with a special spiked roller to facilitate the escape of trapped air.

For greater thicknesses, up to 30mm.

Specifications

Form: Grey

Water requirement 22-24 % (5.5-6)lt for 25Kg Nivel

Density of dry mortar 2.20± 0,1kg/l

Density of fresh mortar 1,45± 0,1kg/l

Pot life 35-40min

Compressive strength >30 N/mm²

Flexural strength >10 N/mm²

Adhesion 28d to concrete > 2N/mm²



Consumption

About 1.6Kg/m²/mm layer thickness

Packaging

Is available in 25kg bags.

Storage

It can be kept unchanged for at least 12 months in closed bags on pallets, stored in covered areas, protected from moisture.

Cleaning

Tools are cleaned with water immediately after use.

Health, Safety and Environmental Protection Guidelines

RT45 Nivel is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

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Cement Mortar

27. RT03 CRM R3

Reinforced multi-purpose repair mortar.

After mixing with water, it is a ready-to-use cement-based resin mortar, consisting of special additives and selected aggregates. It is easily applied to horizontal and vertical surfaces for non-structural concrete repairs giving a smooth finish.

Properties

- Very good mechanical strength.
- Suitable for concrete walls and ceilings.
- High adhesion to the properly prepared concrete surface.
- Very good workmanship
- Resistant to weather changes after reaching its strength.
- For repairs up to 20mm thick
- Spot restorations up to 50mm – filling gaps, nests and small imperfections.
- Repair of cracks in masonry.
- Configuration of rigid joints.

Substrate preparation

You must remove all kinds of loose materials, dust, dirt, oils, grease, rust and in general from elements that will affect adhesion.

Before its application, the surface of the substrate must be well wetted. For applications on existing floor or wall coverings made of ceramic tiles, granite tiles, marble, mosaics, the application of KINGS R15 acrylic quartz primer is recommended.

Mixing-Application Instructions

Add to a suitable container water corresponding to the required amount of powder. For 25kg add 4.25 – 4.75 liters of water depending on the desired workability. Slowly and stirring add the powder to the water. Mix with an electric mixer for at least 3 minutes until the mixture is completely homogenized without lumps. For small quantities, mixing can be done by hand. The mixture is ready for use.

Specifications

Form	Grey
Water requirement	14.8 % (3.7lt) water for 25Kg CRM R3
Density of dry mortar	2.20± 0,1kg/l
Density of fresh mortar	1,40± 0,1kg/l
Pot life	2 hours
Compressive strength	>30 N/mm ²
Flexural strength	>10 N/mm ²
Adhesion 28d to concrete	> 1.5N/mm ²
Chloride ion content	≤0.05%
Capillary water absorption	≤0.50Kg/m ² h0.5
Grain size Dmax	1.3mm



Consumption

About 15Kg/m²/cm layer thickness

Packaging

Is available in 5 and 25kg bags.

Storage

Stored in a dry environment above 0°C for 12 months from date of production

Cleaning

Tools are cleaned with water immediately after use.

Health, Safety and Environmental Protection Guidelines

CRM R3 is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

Disclaimer

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Cement Mortar

28. RT04 CRM R4

High strength reinforced repair mortar

Non-shrinking fibre-reinforced repair mortar with thixotropic Properties.

Properties

- Repairs of high demands for concrete elements.
- Suitable for concrete walls and ceilings.
- High adhesive capacity on the properly prepared concrete surface.
- Very good workmanship
- Resistant to weather changes after reaching its strength.
- Classified as a PCC concrete repair mortar according to EN 1504-3 standard

Substrate preparation

Prerequisite: clean surface of friable materials and corroded or carbonized sections of concrete with the help of a hammer or trowel or sand blasting. Before its application, the surface of the substrate must be well wetted. In cases of obvious corrosion - rust reinforcements, it is recommended that before the material is applied, the substrate and the metal reinforcement should be coated with ANTICORR, in order to ensure the anti-corrosion protection of the reinforcement and the excellent adhesion of the material to the substrate.

Mixing, Application Instructions

In a clean container, add 3.7 liters of clean water and gradually pour the contents of the 25kg, stirring continuously so that a homogeneous mixture is obtained. After letting the mixture rest for 5 minutes, mix again. Do not add additional water after the initial mixing has been completed because its addition causes deterioration reduction in strength, increase in shrinkage and unsafe adhesion.

For smaller amounts of product weigh the required amount of water calculating 14.8% by weight on the weighed weight. The product is applied with a trowel up to 5cm for each layer. In cases where we want thicknesses greater than 5cm, we roughen, roughen the previous layer and apply.

You must remove all kinds of loose materials, dust, dirt, oils, grease, rust and in general from elements that will affect adhesion.

Before its application, the surface of the substrate must be well wetted. For applications on existing floor or wall coverings made of ceramic tiles, granite tiles, marble, mosaics, the application of KINGS R15 acrylic quartz primer is recommended.



Specifications

Form	Grey
Water requirement	15,5-16 % w/w(3.9-4lt) water for 25Kg CRM R4
Density of dry mortar	2.20± 0,1kg/l
Density of fresh mortar	1,43± 0,1kg/l
Pot life	90min
Compressive strength	>50 N/mm ²
Flexural strength	>6 N/mm ²
Adhesion 28d to concrete	> 2 N/mm ²
Chloride ion content	≤0.05%
Capillary water absorption	≤0.50Kg/m ² h ^{0.5}
Modulus of elasticity	≥20 GPa
Grain size Dmax	2mm

Consumption

About 17.5Kg/m²/cm layer thickness

Packaging

Is available in 5 and 25kg bags.

Storage

Stored in a dry environment above 0°C for 12 months from date of production

Cleaning

Tools are cleaned with water immediately after use.

Health, Safety and Environmental Protection Guidelines

CRM R4is an irritant, it contains cement, which when in contact with sweat or produces an irritating alkaline reaction and allergic reactions in those predisposed. May cause eye damage. In case of contact with eyes or skin, wash with plenty of water and seek medical advice. For more information on the safe use of the product consult the Product Safety Data Sheet.

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions

Cement Mortar

29. RT06 Anticorr

Adhesion bridge and anti-corrosion protection of reinforcements.

One-component cement-based mortar, modified with suitable polymers and additives so that it acts as an adhesion bridge and also as an anti-corrosion protection of reinforcements.

Field of Applications

- Adhesion bridging & corrosion protection as a reinforced concrete repair system.
- Good adhesion to concrete and steel.
- Good resistance to water and chloride penetration.
- Easy to apply.

Characteristics

Easy to apply by adding water. Good adhesion to concrete and steel. Resistance to water and chloride penetration. Can be applied with brush, brush.

Application Process

Preparation of the substrate

The concrete should be completely clean, free of dust, loose and ready to detach particles that prevent adhesion. Removal and cleaning of rust and materials from the steel reinforcements around the perimeter that contribute to their corrosion, using appropriate cleaning techniques such as sandblasting or high-pressure water jetting. Then protect the reinforcements with anti-rust spreadable mortar. Before application, run the surface until saturation.

Apply a first coat covering the rebar to a thickness of approximately 1mm using a suitable, clean brush or spray equipment. When this coat has sufficiently hardened (hard to the nail) apply a second coat to a thickness of approximately 1mm. waiting until the layer is fully cured before applying the repair mortar.

Mixture preparation

It can be mixed with an electric mixer at low speed or by hand in small amounts. Pour the recommended amount of water into a suitable mixing container. While mixing slowly, add the powder to the water and mix well for at least 3 minutes, until a homogeneous mixture is obtained, without lumps.



Specifications

- Form: Cement-like powder with selected aggregates.
- Colour Red
- Water requirement 5–5.5 liters (20–22%) water/bag.
- Soluble chloride content ≤0.01%.
- Pot life 60 minutes.
- Application thickness: 1mm / layer.
- Consumption (as anti-corrosion protection): 80-120g/m².
- Application temperature from +5°C to +35°C.

Packaging

Is available in 25kg bags.

Storage

Store in the original, closed and sealed packaging, in dry conditions, at temperatures between +5°C and +35°C for 12 months. Protect from moisture.

Guidelines for safe preparation and application

Contains cement, which when in contact with sweat causes irritation and allergic reactions in those who are predisposed. May cause eye damage. Precautions such as the use of protective gloves and goggles are recommended when handling chemicals. In case of contact with eyes or skin, wash immediately with plenty of water and seek medical help. For more information on the safe use of the product consult the latest version of the Material Safety Data Sheet.

Disclaimer

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Resins



Resins

30. RE47 Rentex

Mortar improving resin and adhesion enhancer.

As such full solids unmodified styrene-butadiene polymer.

Fields of Application

- High strength mortars before tiling.
- Reinforced industrial floors and plasters.
- Adhesive mortars between applications to enhance adhesion (ariani).
- As a transparent reinforcing primer for coatings (diluted 500% with water)
- Reinforced cement mortars in terms of adhesion, workability and abrasion resistance.
- Reduction of water absorption - increase of tightness.
- Increasing the flexibility of rigid mortars.
- Avoidance of capillary cracks.
- Shrinkage reduction.
- Increases mechanical and chemical resistances.
- As plasticizers prevents cracking and come from the shrinkage of cement mortars.

Application Process

Preparing it substrate

The surfaces must be clean, dry, free of moisture and dust, oils, loose materials, glues and anything else that affects the adhesion of future applications, etc.

Cementitious substrates should be wetted to saturation, but without stagnant water remaining.

Ways of using and application

	Mortar thickness		Masonry coatings	
	10 – 40mm	> 40mm	1st Layer	2nd Layer
RENTEXS47	80-100lit	50-60lt	10lt	15-20lt
Water	80-100lit	100-120lt	40lt	30-40lt
Cement	350-450kg	300-350kg	50kg	50kg
Sand 0-4mm	1m ³	1m ³	250kg	50kg

Adhesion

Adhesive mortars between applications to enhance adhesion:

- RE47 Rentex: 25 L
- Water: 75 L
- Cement: 50kg
- Sand 0-2mm: 50kg

Primer

Transparent reinforcing coating primer

- RE47 Rentex: 25 L
- Water: 125 L

Mix the first two and gradually add mixed cement and sand. The above proportions are indicative, the achievement of the desired result depends on the type of application, the particle size composition and relative humidity of the aggregates.

Application

Shake well before use. Environmental application conditions should be from 5°C to 35°C. Do not apply if there is a chance of rain or frost within the next 12 hours.



Specifications

Form	Off white liquid
Solids residue	47%±1
Density	1.01± 0.02kg/l
pH	9-11

VOC (Volatile Organic Compounds)

The maximum VOC content according to Directive 2004/42/EC is 30gr/lit (2010). (Category A: "h", Type: WB, For external walls of mineral substrate). The product contains a maximum of 10gr/lit.

Consumption

Depending on the type of application.

Packaging

Available in containers of 1kg, 5kg & 20kg.

Storage

Containers should be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C for at least 18 months in the original closed surface.

Cleaning

Tools are cleaned with water and detergent immediately after use.

Health safety and protection instructions environment

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2- benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation. Tel. Poison Center: 210 7793777

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions

Resins

31. RE79 RELATEX

Mortar improving resin and adhesion enhancer

RELATEX is a styrene-butadiene copolymer, enhances the properties of mortars and, as a primer, enhances their adhesion. Reinforced cement mortars in terms of adhesion, workability and abrasion resistance.

- Its plasticizing properties prevent cracking and come from the shrinkage of cement mortars.
- Improved strength of mortars.
- As a primer, ready to use.
- Impregnates and stabilizes absorbent or loose substrates.
- Increases adhesion of upcoming overlays.
- Economical

Resistance to alkaline environment.

Applied to old cement-based floors, traditional or ready-made plasters, concrete, and masonry of lightweight construction elements before laying ceramic tiles, marble or granite and natural stones.

Preparation of the substrate

The surfaces must be clean, dry, free of moisture and dust, oils, loose materials, glues and anything else that affects the adhesion of the upcoming applications, etc. Cementitious substrates should be wetted to saturation, but without stagnant water remaining.

Application

Shake RELATEX well before use. The environmental application conditions must be from 5°C to 35°C. Do not apply if there is a chance of rain or frost within the next 12 hours.

Reinforcement of cement mortars:

It is diluted with the mixing water in a ratio of RELATEX: water = 1:1 to 1:2.

As an adhesion primer:

It is applied with a brush or roller, as is. Consumption: 100-120 kg/m² always depending on the nature of the substrate.



Technical Data

Form	Liquid white
Density	1,01± 0,02 Kg/ lit
Application temperature	+5°C -+35°C

VOC (Volatile Organic Compounds)

According to Directive 2004/42/EC (Annex II, table A), the maximum allowed content of VOC for product subcategory WB/h is 30 g/l (2010). The product contains a maximum of 10 g/l VOC.

Packaging

Available in 1,5 & 20kg plastic containers

Cleaning

Tools are cleaned with water immediately after use.

Storage

Containers must be stored and kept closed in the shade, away from sunlight and at temperatures between 5 °C to 35 °C for at least 18 months in the original closed surface.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin, or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation. Tel. Poison Center: 210 7793777. Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Resins

32. RE20 ELASIMER

Mortar improving resin and adhesion enhancer

ELASIMER, as a styrene-butadiene copolymer, enhances the Properties of mortars, as a primer enhances their adhesion.

Fields of applications

- Reinforced cement mortars in terms of adhesion, workability, and abrasion resistance.
- Its plasticizing Properties prevent cracking and come from the shrinkage of cement mortars.
- Improved strength of mortars.
- As a primer, ready to use
- Impregnates and stabilizes absorbent or loose substrates.
- Increases adhesion of upcoming overlays.
- Economical
- Withstands an alkaline environment, such as that of cement.
- Applied to old cement-based floors, traditional or ready-made plasters, concrete, and masonry of lightweight construction elements before laying ceramic tiles, marble or granite and natural stones.

Applications procedure

Preparation of the substrate

The surfaces must be clean, dry, free of moisture and dust, oils, loose materials, glues and anything else that affects the adhesion of the upcoming applications, etc. Cementitious substrates should be wetted to saturation, but without stagnant water remaining.

Application

Shake ELASIMER well before use. The environmental application conditions must be from 5°C to 35°C. Do not apply if there is a chance of rain or frost within the next 12 hours.

Reinforcement of cement mortar

It is diluted with the mixing water in a ratio of ELASIMER : water = 1:1 to 1:2.

As an adhesion primer

It is applied with a brush or roller, as is.

Consumption

100-120kg/m² always depending on the nature of the substrate.

Technical data

Form: Liquid

Colour: White

Specific gravity: 1,01± 0,02kg/lit

Application temperature: 5-35°C



VOC (Volatile Organic Compounds)

According to Directive 2004/42/EC (Annex II, table A), the maximum allowed content of VOC for product subcategory WB/h is 30 g/l (2010). The product contains a maximum of 10g/l VOC.

Packaging

Available in 1,5 & 20kg plastic containers

Cleaning

Tools are cleaned with water immediately after use.

Storage

Containers must be stored and kept closed in the shade, away from sunlight and at temperatures between 5 °C to 35 °C for at least 18 months in the original closed surface.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Resins

33. RE55 ELASTMENT

Elastifying agent for Mortar

Liquid emulsifying emulsion for waterproofing slurries, for cementitious tile adhesives and grouts.

Properties

Elasticizes mortars creating a flexible final surface while increasing their adhesion to the substrate.

Increases the frost resistance of the mortar.

By adding it to the mortar, it bridges any capillary cracks in the substrate.

Gives higher tensile strengths.

Applications

Preparation of the substrate

The surfaces must be clean, dry, free of moisture and dust, oils, loose materials, glues and anything else that affects the adhesion of the upcoming applications, etc. Cementitious substrates should be wetted to saturation, but without stagnant water remaining.

As a plasticizer for spreadable mortars

It is added to CESTECO spreadable waterproofing cementitious mortar for applications on roofs, swimming pools, industrial areas, bathrooms, baths and vibrating surfaces (gypsum boards, cement board, chipboard).

Small elasticity requirement:

25kg CESTECO + 2kg ELASTMENT + Water

High flexibility requirement:

25kg CESTECO + 3kg ELASTMENT + Water

As a reinforcement in tile adhesives and grouts

It is added to tile adhesives and grouts in proportions of 30-34%, increasing their adhesion, elasticity and mechanical strength. It also improves their resistance to moisture and frost (exterior floors, bathrooms, etc.).

As a primer

It is applied with a brush, roller or brush to surfaces made of concrete, cement mortars, plasters based on plaster (KNAUFF, etc.), plasterboards, old tiles, marble, granite, mosaic, plastic floors, etc. as a binding layer before the application of the cementitious adhesive. The application of the glue follows after about 2 hours.

Shake ELASTMENT well before use. The environmental application conditions must be from 5°C to 35°C.

Technical data

Form	Liquid
Colour	Off white
Density	1,00 ± 0,05kg/lit
Application temperature	from +5°C until +35°C



VOC (Volatile Organic Compounds)

According to Directive 2004/42/EC (Annex II, table A), the maximum allowed content of VOC for product sub category WB/h is 30 g/l (2010). The product contains a maximum of 8 g/l VOC.

Packaging

It is available in 1kg, 5kg & 10kg containers.

Storage

Containers must be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C to 35°C for at least 18 months in the original closed surface.

Cleaning

Tools are cleaned with water and detergent immediately after use.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Resins

34. RE41 Sol V12

Plasticizer & retarder for setting mortars. It replaces lime

SOLV12 is an aqueous solution which is used to create foam which, when added to mortars, gives them excellent activity, having advantages over the disadvantages of lime

- Significantly lengthening the setting time of the mortars
- Increasing the adhesion of fresh mortar to the substrate.
- Plasticizing the mortars.
- Intended exclusively to produce cellular mortar with uniformly distributed bubbles.
- Does not contain corrosive ingredients.

Fields of applicatios

It is an easy-to-use aid for the preparation of masonry mortars, plasters, strong plasters, etc

SOLV12 is added to the mixing water during the preparation of the mortar with a corresponding reduction in the required mixing water.

Technical data

Form	Liquid Brown
Specific gravity	1,01± 0,02kg/lit
pH	11-12
Application temperature	+5°C -+35°C



Dosage

0.2-0.4% by weight of cement

Packaging

Available in 1,5 & 20kg plastic containers

Storage

Containers must be stored and kept closed in the shade, away from sunlight and at temperatures between 5 °C to 35 °C for at least 18 months in the original closed surface.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions.

Primers



Primer

35. RA15 KINGS

Coating Primer; Resinous with quartz sand

Water-based quartz adhesion primer with appropriately selected synthetic resins with great resistance to alkalis. It is applied to smooth and non-absorbent surfaces. Suitable for applications on external and internal surfaces. It is ready to use, dries quickly.

Application Procedure

Preparation of the substrate

The surfaces must be clean without moisture, oils, loose materials and dust, etc

Application

Shake KINGS well before use. It is applied in one to two layers with a roller, brush or brush. Environmental application conditions must be from 5°C to 35°C. The product is dry to the touch in less than 1 hour.

Do not apply if there is a chance of rain or frost within the next 12 hours.

Specifications Characteristics

Form	Slightly pasty
Colour	Light red
Density	1,31 ± 0,05Kg/lit
Application temperature	from +5°C to +35°C

Consumption

150-200gr/ m² per layer

VOC (Volatile Organic Compounds)

According to Directive 2004/42/EC (Annex II, table A), the maximum allowed content of VOC for product subcategory WB/h is 30 g/l (2010). The product contains a maximum of 10 g/l VOC.



Packaging

Available in 1,5 & 20kg plastic containers

Cleaning

Tools are cleaned with water immediately after use.

Storage

Containers must be stored and kept closed in the shade, away from sunlight and at temperatures between 5 °C to 35 °C for at least 18 months in the original closed surface.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Primer

36. RA13 Power GRIP

Primer for non-absorbent surfaces

Water-soluble primer for strong adhesion enhancement for both absorbent and non-absorbent solid substrates, such as concrete, tile floors, old paints

Fields of Application

- Substrate preparation primer.
- Primer on existing water-based paints
- Under cementitious repair mortars to improve adhesion
- Ceramic tile, marble, natural stone floors
- Before installing tiles with cement-based adhesives
- Floors made of wooden boards and parquet.
- On smooth absorbent or non-absorbent surfaces
- Suitable for applications on external and internal surfaces
- Dries quickly
- Environmentally friendly – no solvents
- It is ready to use

Application Process

Preparation of the substrate

The surfaces must be clean without moisture, oils, loose materials from old applications of water-based paints and dusts, etc.

Application

Shake well before use. It is applied in one to two layers with a roller or brush.

Non-absorbent substrates

It is applied as the product is.

Solid absorbent substrates

It is applied with a dilution of 50-100% by weight, depending on the absorbency of the substrate.

Environmental application conditions should be from 5°C to 35°C. The product is dry to the touch in less than 1 hour. Do not apply if there is a chance of rain or frost within the next 12 hours.

Specifications

Form	Liquid
Colour	Blue
Density	1.02±0.05 gr/cm ³
Solids content	40.5±0.05
Consumption	100-200g/m ² depending on the surface
Application temperature	from +5°C to +35°C

VOC (Volatile Organic Compounds)

The maximum VOC content according to Directive 2004/42/EC is 30gr/lit (2010). (Category A: "h", Type: WB, For external walls of mineral substrate). The product contains a maximum of 14gr/lit.



Packaging

Available in containers of 1kg, 5kg & 20kg.

Storage

Containers should be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C for at least 18 months in the original closed surface

Cleaning

Tools are cleaned with water and detergent immediately after use.

Health safety and protection instructions environment

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2- benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation. Tel. Poison Center: 210 7793777

Disclaimer

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Primer

37. RA25 Stabil

Micromolecular Acrylic Primer

One-component micronized acrylic adhesion primer before the application of paints, water-based coatings.

Fields of application

- Primer for concrete.
- Primer on existing water-based paints.
- Under cementitious repair mortars to improve adhesion.
- Before installing tiles with cement-based adhesives.
- On smooth absorbent or non-absorbent surfaces, prime existing water-based paints that show high adhesion to the substrate.
- Suitable for applications on external and internal surfaces.
- Dries quickly.
- Environmentally friendly – no solvents.
- It is ready to use.

Application process

Preparation of the substrate

The surfaces must be clean without moisture, oils, loose materials from old applications of water-based paints and powders, etc.

Application

Shake well before use. It is applied in one to two layers with a roller, brush or brush.

Environmental application conditions should be from 5°C to 35°C. The product is dry to the touch in less than 1 hour. Do not apply if there is a chance of rain or frost within the next 12 hours.

Specifications

Form	Liquid slightly thick
Colour	Off-white
Density	1,05 ± 0,05kg/lit
Consumption	150-200g/m ² depending on the surface
Application temperature	from +5°C to +35°C

VOC (Volatile Organic Compounds)

The maximum VOC content according to Directive 2004/42/EC is 30gr/lit (2010). (Category A: "h", Type: WB, For external walls of mineral substrate). The product contains a maximum of 18gr/lit.



Packaging

Available in containers of 1kg, 5kg & 20kg.

Storage

Containers should be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C for at least 18 months in the original closed surface.

Cleaning

Tools are cleaned with water and detergent immediately after use.

Health safety and protection instructions environment

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2- benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation. Tel. Poison Center: 210 7793777

Disclaimer

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Primer

38. RA17 PRIME

Acrylic primer

It is a one-component acrylic adhesion primer before the application of water-based paints and coatings.

Fields of applications

- Primer for concrete
- Primer on existing water-based paints
- Under cementitious repair mortars to improve adhesion
- Before installing ceramic tiles with cement-based adhesives.
- On smooth absorbent or non-absorbent surfaces
- Primer on existing water-based paints that show high adhesion to the substrate
- Suitable for applications on external and internal surfaces
- Dries quickly
- Environmentally friendly – no solvents
- It is ready to use

Application Procedure

Preparation of the substrate

The surfaces must be clean without moisture, oils, loose materials from old applications of water-based paints and powders, etc.

Application

Stir well before use. It is applied in one to two layers with a roller, brush or brush. Environmental application conditions must be from 5°C to 35°C. The product is dry to the touch in less than 1 hour. Do not apply if there is a chance of rain or frost within the next 12 hours.

Specifications	
Form	Liquid slightly thick
Colour	Off white
Density	1,38 ± 0,05kg/lit
Consumption	150-200 gr/m ² in depends of surface
Application temperature	from +5°C until +35°C

VOC (Volatile Organic Compounds)

According to Directive 2004/42/EC (Annex II, table A), the maximum allowed content of VOC for product sub category WB/h is 30 g/l (2010). The product contains a maximum of 18 g/l VOC.



Packaging

Available in 1kg, 5kg & 10kg containers.

Storage

Containers must be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C to 35°C for at least 18 months in the original closed surface.

Cleaning

Tools are cleaned with water and detergent immediately after use.

Health, Safety and Environmental Protection Guidelines

A way from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

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Paint

39. 2501 Power Cryl

Flexible acrylic paint for external use

Acrylic paint for outdoor use with resistance to weather conditions and atmospheric pollution. It is applied to new or old surfaces, on all building materials, such as concrete, plaster, bricks, plasterboards etc.

Properties

- High coverage
- Breathability, absorbing moisture
- Great flexibility and crack bridging
- Easy application and uniform spread
- Strong adhesion to all common structural surfaces
- Quick drying
- Resistant to atmospheric pollution
- Stable quality.
- Excellent surface finish.

Substrate preparation

The surface must be dry, stable and clean of dust, residues and loose old paint. Sanding is recommended to prepare the surfaces.

Before applying the paint, apply a coat of PRIME.

Application instructions

The product is stirred well before use. Avoid application in case of impending rain.

Dilute 5-10% by weight with tap water and stir well. Painting tools: Brush, roller or airless gun. Apply 2 coats for an ideal result. Minimum repainting time 4-5 hours. Surface drying in 1-2 hours at 25°C and 50% relative humidity. Drying time is affected by weather conditions.

Do not apply at temperatures below 5°C and above 35°C and above 65% relative humidity.

Specifications	
Form	Liquid
Colours	White basic & Unlimited shades with the RUMEN colouring system
Density	1,43 ± 0,02kg/lit
Application temperature	from +5°C to +35°C

Consumption

Approximately 12m² /lit / layer

VOC (Volatile Organic Compounds)

According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content (Product Category i / Type WB/c) is 40 g/L (2010 limits) for a ready-to-use product. Ready-to-use PowerCRYL has a maximum content of <34g/L.



Packaging

Available in 3&10lit plastic containers

Cleaning

Tools are cleaned with water immediately after use.

Storage

At least 12 months. Containers must be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions

Paint

40. 2503 Power Plast

Plastic interior surface paint

High quality plastic paint for interior use, hygienic protection thanks to the ecological approach with suitable copolymer resins and aggregates, absence of solvents, free of formaldehyde and selected additives.

Properties

- High coverage
- Breathability, absorbing moisture
- Great resistance to continuous washing.
- Easy application and uniform spread
- Excellent whiteness
- Strong adhesion to all common structural surfaces
- Quick drying
- Stable quality.
- Excellent surface finish.

Substrate preparation

The surface must be dry, stable and clean of dust, residues and loose old paint. Sanding is recommended to prepare the surfaces.

Before applying the paint, apply a coat of PRIME

Application instructions

The product is stirred well before use. Avoid application in case of impending rain. Dilute 5-10% by weight. with tap water and stir well. Painting tools: Brush, roller or airless gun. Apply 2 coats for an ideal result. Minimum repainting time 4-5 hours. Surface drying in 1-2 hours at 25°C and 50% relative humidity. Drying time is affected by weather conditions. Do not apply at temperatures below 5°C and above 35°C and above 65% relative humidity.

Specifications

- Form: Liquid
- Colours: White basic & Unlimited shades with the RUMEN colouring system
- Density: 1,46 ± 0,02kg/lit
- Application temperature from +5°C to +35°C

Consumption

Approximately 10-12m² /lit / layer

VOC (Volatile Organic Compounds)

According to Directive 2004/42/EU (Annex II, Table A), the maximum allowed content (Product Category i / Type WB/a) is 30 g/L (2010 limits) for a ready-to-use product. Ready-to-use Power PLAST has a maximum content of <10 g/L.



Packaging

Available in 3 & 10lit plastic containers

Cleaning

Tools are cleaned with water immediately after use.

Storage

At least 12 months. Containers must be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C.

Health, Safety and Environmental Protection Guidelines

Away from children. If you seek medical advice, have the product container or label with you. Avoid contact with eyes, skin or clothing. Call a POISON CENTER or a doctor if you feel unwell. Contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it down the drain. Dispose of contents and container in accordance with current legislation.

Tel. Poison Center: 210 7793777

Read the label before use. For detailed precautionary instructions, see the product's Safety Data Sheet.

Disclaimer

The technical data stated in this Product Data Sheet are based on laboratory tests, the knowledge and experience of the company. In practice, the different data are not subject to the control of the company. It is therefore the user's responsibility to ensure that the material is suitable for the intended application and project conditions.

Epoxy Systems



Epoxy Systems

41. 3060 Coat

2-component epoxy coating

Epoxy paint without solvents

Properties

The appropriate choice and proportion, epoxy resins with pigments offer the system:

- High hardness and abrasion resistance.
- Strong adhesion to cementitious surfaces.
- Excellent resistance to chemicals, solvents, petroleum products, etc.
- Resistance to stress.

Applications

Ideal for painting cementitious floors of factories, storage areas, garages and generally areas that suffer daily stresses from friction and chemicals. The product is used for interiors.

Consumption

200-300g/m²/layer. Depending on the required thickness, it can be applied from one to two layers.

How to use

Surface preparation

The cementitious surfaces to be applied must in advance be: Dry and stable. Free from materials that prevent adhesion, such as dusts, loose materials, grease, etc. Be protected from rising moisture. Also, depending on the nature of the substrate, appropriate preparation should be done, such as mechanical brushing, sanding, etc. The cleaning of the surface from dust is done with a high absorbency vacuum cleaner and should be the best possible.

Priming

The necessary priming of the surface is done with epoxy primer for absorbent surfaces and within 24 hours the application is carried out.

Mixture

Components A and B are packaged in containers with a predetermined ratio. Component B is added entirely to component A, which has previously been mechanically stirred at low speed. For about 5 minutes, mix the two ingredients with a drill at low speeds so

that the two ingredients are completely mixed. Then we apply with a roller, brush or spray.

Cleaning

The tools are cleaned with a thinner.

Storage

At least 12 months from the date of production in the original unopened packaging in a dry place protected from moisture, sun and frost.

Packaging

Plastic containers A + B: 4.5 + 1.5 kg respectively.

Technical Specifications

Form

- A component: Liquid, colored.
- B component: Liquid, transparent.

Shades

- RAL 1013 light beige
- RAL 1014 ivory
- RAL 6021 soft green
- RAL 6025 olive oil
- RAL 7032 sand grey
- RAL 7035 soft grey
- RAL 7040 grey
- Other RAL shades on demand



Component density: A 1,38kg/l, B 1,05kg/l, A + B 1,28kg/l

Viscosity approx. 1200mPa.s at +23°C

Mixing ratio (A:D): 75:25 by weight

Pot life: 40-50min at +23°C

Life time in pot summer months: 10-15min at 30-35°C

Minimum curing temperature: +8°C

Walkability: 20-24h at +23°C

Coated: At 20-24h at +23°C

Adhesion resistance (EN 13892-8:2002) 7days: >3.5N/mm² (A+B) (concrete breakage)

Comments

Consult the instructions for safe use indicated on the labels of the product packaging before using the material

For Professional Use

Attention!

In case of contact, it is necessary to wash hands immediately with water and soap. Contact of the material with the skin may cause "irritation", so the use of gloves is recommended.

Epoxy Systems

42. 3042 Primex

Transparent 2-component spreadable epoxy primer for absorbent and non-absorbent substrates

Transparent two-component, low viscosity, solvent-free epoxy primer.

Properties

- Low viscosity
- Good penetration capability
- High adhesion
- Easy application
- Short standby time
- Possibility of multiple uses, such as leveling resins, with the addition of quartz sand (0.1-0.3mm), (0.3-0.8mm) or mixtures thereof
- It is also used for outdoor uses.

Applications

It is used for priming absorbent and non-absorbent solid cementitious substrates before applying epoxy paint ROUMEN COAT or the self-leveling coating ROUMEN FLOOR

How to use

Surface preparation

The cementitious surfaces to be applied must in advance be:

- Dry and stable.
- Free from materials that prevent adhesion, such as dusts, loose materials, grease
- Protected from moisture.

Also, depending on the nature of the substrate, appropriate preparation should be done, such as mechanical brushing, sanding, etc. The cleaning of the surface from dust is done with a high absorbency vacuum cleaner and should be the best possible

Mixture

Components A and B are packaged in containers with a predetermined ratio. Component B is added entirely into component A. For about 5 minutes mix the two ingredients with a drill at low speed so that the two ingredients are completely mixed. Then we apply with a roller, brush or spray.

Consumption

200 - 300g/m² is applied in one layer and depends on the quality of the cementitious surface of the floor.

Cleaning

The tools are cleaned with a thinner.

Storage

At least 24 months in the original closed packaging in cool rooms protected from moisture.

Packaging

Containers A + B (5kg set): 3.33kg A + 1.67kg B.



Form: A component Liquid, transparent. B component Liquid, transparent.

Component A: 1,12kg/l. Component B 1,06kg/l. Component A + B 1,08kg/l.

Viscosity approx. 650mPa.s at +23°C.

Mixing ratio (A:B): 100:50 by weight.

Compressive strength, 7days, (EN 196-1): 56.5N/mm².

Adhesion strength: >2,8N/mm² (concrete breakage).

It is coated after 20-24h at +23°C.

Shelf life 50 minutes at 23°C.

Minimum curing temperature +8°C.

Comments

Consult the instructions for safe use indicated on the labels of the product packaging before using the material

For Professional Use

Attention!

In case of contact, it is necessary to wash hands immediately with water and soap. Contact of the material with the skin may cause "irritation", so the use of gloves is recommended.

Epoxy Systems

43. 3040 Repair

2-component epoxy mortar

Epoxy repair mortar, solvent-free, with fine-grained quartz aggregates.

Offers

High hardness without shrinkage. Strong adhesion to the substrate. Excellent mechanical strength. Impervious to water. Thixotropy during its mixing and application. High resistance to chemicals. It is applied to horizontal and vertical surfaces.

Applications

It is used as a repair and adhesive mortar for:

- Repair of stressed concrete structural elements.
- Worn surfaces of concrete floors and vertical surfaces.
- Bonding of stone, marble, wood, ceramics.
- Welding concrete with concrete.
- Suitable for balancing repeating small thickness layers.

Consumption

REPAIX consumption approx. 2kg/m²/mm.

How to use

Surface preparation

The cementitious surfaces to be applied must in advance be:

Dry and stable. Free from materials that prevent adhesion, such as dusts, loose materials, grease, etc. Be protected from rising moisture.

Also, depending on the nature of the substrate, appropriate preparation should be done, such as mechanical brushing, sanding, etc. The cleaning of the surface from dust is done with a high absorbency vacuum cleaner and should be the best possible.

Mixture

Components A and B are packaged in containers with a predetermined ratio. Component B is added entirely into component A and mix for about 3-5 minutes the two ingredients with a drill at low speed so that the two ingredients are completely mixed.

Application procedure

The now mixed pasty material is applied with a trowel or spatula.

Cleaning

The tools are cleaned with a thinner.

Storage

At least 24 months in the original closed packaging in cool rooms protected from moisture.

Packaging

Plastic containers A + B: 2,67 + 0,33 kg respectively.



Form

- Ingredient A: Liquid, grey salty.
- B component: Liquid, transparent.

Features

Specific gravity: Component A + B 1,75kg/l.

Mixing ratio (A:B): 100:12,5 by weight.

Pot life: 80min at +23°C.

Minimum curing temperature: +10°C.

Walkability after 24h at +23°C (low charge).

Final strength: 7 days.

It is coated in 24h at +23°C.

Final strength: after 7 days at +23°C.

Compressive strength (EN196-1), 7days: >70N/mm² (A+B).

Adhesion strength (EN 13892-8:2002), 7days: 4,0N/mm² (A+B) (concrete breakage).

Contraction (EN 12671-1): 0.05%.

Impact resistance EN ISO 6272-1: ≥IR4.

Abrasion resistance (BCA test) EN 13892-4: ≤AR1.

Cleaning and Maintenance

In order to maintain the floor in its original excellent condition, it must be cleaned at regular intervals with a rotary cleaning brush, industrial cleaning machines, high-pressure washing machines, etc. using appropriate cleaners.

Comments

Consult the instructions for safe use indicated on the labels of the product packaging before using the material

For Professional Use

Attention!

In case of contact, it is necessary to wash hands immediately with water and soap. Contact of the material with the skin may cause "irritation", so the use of gloves is recommended.

Epoxy Systems

44. 3044 Pavi

epoxy self-leveling color; floor coating; 3-component solvent-free system.

Solvent free colored epoxy self-leveling system, dominated by epoxy resins and filler by quartz sand.

Properties The competent choice and proportion, epoxy resins with quartz sand offer the system:

High hardness and abrasion resistance even within 24 hours. Strong adhesion to cementitious surfaces. Good chemical and mechanical resistance. Low water absorption. Thixotropy. Glossy surface.

Applications It is used, with the addition of quartz sand as a fluid self-leveling coating on cementitious base floors. Its particularly high performance makes it suitable for industrial - craft spaces, warehouses, workshops, slaughterhouses, hospitals, wineries, canning factories, garages, car repair shops, etc. The product is used for interiors.

Consumption

- Consumption (A + B): 0.8-0.9kg/m²/mm.
- Quartz sand consumption: 0.8-0.9kg/m²/mm.
- System consumption: 1.6-1.8kg/m²/mm.
- Depends on the quality of the cementitious surface.

How to use

Preliminary surface treatment The cementitious surfaces to be applied must in advance be: Dry and stable. Free from materials that prevent adhesion, such as dust, loose materials, grease, etc. Be protected from rising moisture.

Also, depending on the nature of the substrate, appropriate preparation should be done, such as mechanical brushing, sanding, etc. The cleaning of the surface from dust is done with a high absorbency vacuum cleaner and should be the best possible.

Priming The necessary priming of the surface is done with an epoxy primer with a consumption of 200-300g/m², depending on the quality of the cementitious surface and the application is carried out within 24 hours at the latest.

Mixing Components A and B are packaged in containers with a predetermined ratio. Component B is added entirely into component A, which has previously been

mechanically stirred at low speed. For about 3-5 minutes, mix the two ingredients with a drill at low speed so that the two ingredients are completely mixed. Then add slowly and under constant stirring the third component – quartz so that the three-component system (resin mortar) acquires homogeneity.

Application procedure The resin mortar is now emptied onto the surface we have prepared, in accordance with paragraph 1. Then, after we have taken care in advance to cover the expansion joints of the cementitious floor, we apply with a serrated spatula to a thickness of 2-3mm.

Then the surface must be coated with a special spike roller (hedgehog) which results both in the release of bubbles and in the uniform distribution of the system on the application surface.

Cleaning Tools are cleaned with a thinner.

Storage : At least 24 months in the original closed packaging in cool areas protected from moisture.

Packaging Plastic containers A+B: 8+2 kg respectively. Quartz sand C (0.1-0.4): 10 kg.

Technical Characteristics

Form

- Component A: Liquid, color of similar shade
- B component: Liquid, transparent.
- C component: Quartz sand. (0.1-0.4)

Shades

RAL 1013 light beige. RAL 1014 ivory. RAL 1015 open ivory. RAL 3009 reddish-brown. RAL 7032 sand gray. RAL 7035 soft gray. RAL 7040 gray. Other custom shades

Density

- Component A: 1,55kg/l
- Component B: 1,05kg/l
- Component A+B: 1,42kg/l
- Component A+B+C self-leveling mixture (A+B): quartz sand = 1:1: 1,70kg/l

Features

Viscosity: Self-leveling mixture approx.



740mPa.s at +23°C

Mixing ratio: (A:D) 80:20 by weight

Mixing ratio: (A+D:C) 1:1 by weight

Life time in pot: 30-40min in, +23°C

Water absorption: (ASTM D 570) 0.125% w/w 24h

Minimum curing temperature: +8°C

Walkability: after 24h at +23°C small charge

Full hardening: 4-5 days

Accepts coating: at 24h at +23°C

Final strengths

After 7 days at +23°C with quartz sand added in a ratio of 1:1 by weight

Compressive strength (EN196-1), 1 day 20,4N/mm² (A+B+C)

Compressive strength (EN196-1), 7 days 57,6N/mm² (A+B+C)

Bending strength (EN196-1), 7 days 23,8N/mm² (A+B+C)

Adhesion strength (EN 13892-8:2002), 7 day 4,0N/mm² (A+B+C) concrete breakage

EN ISO 6272-1 ≥IR4 Impact Resistance

Abrasion Resistance (BCA Test) EN 13892-4 ≤AR1

Cleaning and Maintenance In order to maintain the floor in its original excellent condition, it must be cleaned at regular intervals with a rotary cleaning brush, industrial cleaning machines, high-pressure washing machines, etc., using appropriate cleaners.

Comments

Consult the safe use instructions on the labels of the product packaging before using the material.

For Professional Use

Attention! In case of contact, it is necessary to wash hands immediately with water and soap. Contact of the material with the skin may cause "irritation" so the use of gloves is recommended.

Epoxy Systems

45. 3053 Epoxy Tile

2-component epoxy adhesive solvent-free.

Properties

Excellent thixotropy

High mechanical and chemical strength after hardening

Resistant to a wide range of chemicals

Solvent free

Easy to apply & clean

Application Fields

- On floors and walls
- For interior and exterior, horizontal and vertical surfaces
- Suitable for pasting most building materials such as tiles of all types, concrete, wood, metal, etc.

How to use

Substrate preparation

The substrate must be dry, stable, and free from materials that prevent adhesion, such as dust, oil, rust, loose materials, oils, etc., as well as residues of previous adhesive applications.

Application

Pour component B into component A and mix well with a low-speed stirrer for 2-3 minutes until a homogeneous uniform mixture is obtained.

The application is done with a suitable toothed spatula depending on the shape of the substrate and then place the tiles or mosaics as is done with ordinary tile adhesives.

Absorbent substrates, if the moisture content of the substrate does not exceed 4%, as well as existing tiles must be primed. In any such case, gluing should be done 2-18 hours after applying the primer.

Packaging

3, 5 and 10 kg containers

Set of containers

3kg: A2,690kg B0,310kg,

5kg: A4,490kg B0,510kg,

10kg: A8,980kg B1,020kg



Form: Pasty

Specific gravity of mixture: $\approx 1,50 \pm 0,05 \text{ kg/cm}^3$

Granulometry: Dmax: $< 0,3 \text{ mm}$

Mixing ratio: $\approx 100:11.4$

Open time: 60min

Bending strength: 31.8 N/mm^2

Compressive strength: 56.2 N/mm^2

Shrinkage: $\leq 0,8 \text{ mm/m}$

Water absorption after 240min: $\leq 0,007 \text{ g}$

Initial shear adhesion strength: $\geq 10.2 \text{ N/mm}^2$

Shear adhesion strength after immersion in water: $\geq 8,9 \text{ N/mm}^2$

Shear adhesion strength after thermal stress: $\geq 2.6 \text{ N/mm}^2$

Sliding: $\leq 0.1 \text{ mm}$

Consumption

Indicative consumption from $1.5\text{-}5 \text{ kg/m}^2/\text{mm}$ for bonding tiles depending on the condition of the substrate.

Storage

24 months in the original closed packaging in a cool place protected from moisture.

Comments

For Professional Use

Consult the safe use instructions on the labels of the product packaging before using the material.

Attention!

In case of contact, it is necessary to wash hands immediately with water and soap. Contact of the material with the skin may cause "irritation", so the use of gloves is recommended.

Specialty Products

46. RF03 Mag

Water-soluble magnetic adhesive

Strong magnetic adhesive based on acrylic polymers suitable for pasting plastic floors and carpets.

Advantages

- Strong welding
- High resistance to humidity and temperature changes
- Great performance
- Offers open application time with the possibility of minor corrections
- Thixotropic and elastic
- Suitable for underfloor heating
- Solvent free – environmentally friendly

Fields of application

It is used for bonding plastic floors – tiles, carpets, carpets, PVC surfaces, etc.

Application Process

Preparation of the substrate

The surfaces must be smooth, clean without moisture, oils, loose materials from old water-based paint applications and dusts, etc. Apply powerGRIP acrylic primer to the substrate before applying MAG. It is applied with a toothed spatula 1.5mm X 3mm or 1.5mm X 5mm, as well as with a roller, after immersing it in the glue. For best results, apply the adhesive to both surfaces.

Technical Specifications

Form: Pasty

Hue: Off-white

Specific gravity: 1,45 ± 0,05kg/ lit

Open application time: 20-50 min (20°C)

Final drying: 48 hours

Application temperature from +5°C to +35°C



Consumption

3-4m²/Kg depending on the substrate.

Packaging

MAG is available in containers of 1kg, 5kg & 20kg.

Storage

Receptacles must be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C for at least 12 months on the original closed surface.

Cleaning

The tools are cleaned with water and detergent immediately after use.

Health, safety and environmental protection guidelines

Keep out of reach of children. If you seek medical advice, carry the product container or label with you. Do not come into contact with eyes, skin or clothing. Call the poison control center or a doctor if you feel unwell. It contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it into the drain. Disposal of the contents and container in accordance with applicable law. Tel. Poison Control Center 210 7793777.

Specialty Products

47. RF01 Carta

Paper glue ready to use

Solvent-free adhesive ready for use suitable for paper and paper packaging. It can also be used in automatic packing machines.

Application Process

Preparation of the substrate

The application is done on surfaces free from dust, oil, or other residues that prevent the adhesive effect.

Technical Specifications

Form: Pasty

Hue: Off-white

Specific gravity: 1,05±0,02Kg/lit

Drying time at 25°C: 10 minutes

Application temperature: 5-35°C

Maximum relative humidity: <80%



Consumption

Indicatively: 6-7m²/kg.

Packaging

Available in cans of 0.5kg, 1kg, 5kg & 20kg.

Storage

Receptacles must be stored and kept closed in a shady place, away from sunlight and at temperatures between 5°C and 35°C for at least 12 months on the original closed surface.

Cleaning

The tools are cleaned with water and detergent immediately after use.

Health, safety and environmental protection guidelines

Keep out of reach of children. If you seek medical advice, carry the product container or label with you. Do not come into contact with eyes, skin or clothing. Call the poison control center or a doctor if you feel unwell. It contains 1,2-benzisothiazol-3(2H)-one. May cause an allergic reaction. Do not empty it into the drain. Disposal of the contents and container in accordance with applicable law. Tel. Poison Control Center: 210 7793777.

Read the label before use. For detailed safety instructions refer to the product's Safety Data Sheet.



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