



PURPOSE

Organic modified mineral bonding mortar conditioned as powder ready to mix with water.

- Multi-purpose product for ARMATERM thermal insulation systems:
Bonding/fitting of insulating board (EPS, mineral wool, wood fibre, etc.)
Reinforced undercoating.
Traditional masonry finish, rubbed or rustic aspect. May be left uncovered or coated with a paint finish.

Bonding coat for marble aggregates to be sprayed when working with ARMATERM MARBRE POUDRE finish (check specific technical data sheet).

Refer to the ETA and/or technical file of the system used.

- Renovation of ETICS (SURIZOL system).
- Suitable for wall surfacing/smoothing of hydraulic surfaces and glass ceramics..

SURFACES

Usual mineral building bases free from any coating:

- Bricks and terracotta blocks.
- Bare or coated masonry elements.
- Waterproofing one-layer renderings.
- Limestone, glass ceramics, stoneware...

Reinforced undercoating over thermal insulator in accordance with the applicable ETA (EPS, mineral wool).

EPS shuttering blocks subjected to technical advice (general use conditions acc. to CSTB manual no. 263.2).

MAIN FEATURES

- Use versatility.
- Adherence on all usual mineral surfaces.
- Waterproof, good resistance to weathering (when used as finish).
- Great steam permeability.
- Naturally resistant to micro-organisms.
- Excellent refractory life as filler.
- Manual or mechanised application.
- Long wet-edge time, excellent workability, good smoothing.
- Mineral product, naturally flameproof.
- Traditional aspect of masonry render when used as finish.

IDENTIFICATION CHARACTERISTICS

In accordance with official standards or, if none applicable, with internal standards.

Aspect	Powder to mix with water.
Powder Density	ca. 1.40
Grain Size	0/1.5 mm
Mixing Proportion	Ca. 17 % water in weight (5.1 l water per 30 kg bag).
Mixing Time	Ca. 3 mins and until good homogeneity is achieved (slow mixer).
Resting Time	Ca. 5 mins before use.
Usable Life	Ca. 1 hr, dep. on conditions of use.
Use Temperature	+8°C/+35°C
Application Thickness	Dry minimal thickness of the reinforced undercoating: 3.0 mm (EPS) to 4 mm (mineral wool). Smoothing/dressing: 15 to 20 mm per coat.
Drying Time (20°C, 65% RH)	Between coats: 24 hr or fresh on fresh after hardening (ca. 2 hrs). Setting time: ca. 4 hrs under 3 mm. Paint or render finish: minimum 24 hrs depending on thickness. Optimal resistance and performance, when used as finish, are achieved after complete carbonation of the lime (2 to 3 weeks). <i>Drying delayed by cold and damp weather.</i>
Consumption of Prepared Product	Bonding/fitting of the insulating board: 3 to 3.5 kg/sqm. Reinforced undercoating: 5.5 to 6 kg/sqm on EPS and ca. 8.5 kg/sqm over mineral wool. Finish: 3 to 3.5 kg/sqm.
Classification	NF T36-005: not classified.
Colour	Natural white. Specific colour chart for rubbed or rustic mineral finish.
Packaging	30 kg bag.

USE

Refer to the ETA and/or the technical file of the system relating to thermal insulation works.

Surfaces, preparatory work and application conditions must comply with applicable standards/DTU (French standards) for all other refacing works.

Base Preparation

Bases must be sound, dry, cohesive and consistent with the product application.

They must be free from old paint or coating.

They must be flat and even (irregularities < 1 cm).

They may require the following operations:

- Trim important reliefs with a scraper or grinder (Tyrolean for example).
- Remove non-adherent or greasy parts through scraping, brushing, sanding, HP washing...
- Remove paints or coatings.
- Remove micro-organisms: FONGIMOUSSE PLUS.
- Repair masonry, concrete spawls due to iron corrosion: ARMATERM COLLE POWDRE.
- Stoneware, glass ceramic: sound, remove any hollow sounding tiles and repair.

Product Application

Product Preparation

Mix the powder with water. Mix for about 3 mins.

Let it rest for about 5 mins.

Mix one more time before use.

Process

For thermal insulation systems:

- **INSULATOR BONDING/FITTING:** application in spots, beads or onto full-surface (snoothed trowel).

- **REINFORCED UNDERCOATING:** sanding of insulating boards if necessary (EPS) and 2-coat application with a stainless steel trowel with 24 hr interval in-between.

Rub the membrane in the first fresh coat (width lapping ca. 10 cm). The second coat must cover this membrane entirely. Smoothen carefully. Fresh-on-fresh recoating possible by letting harden ca. 2 hrs between coats.

- **RUBBED FINISH:** Apply and even with a stainless steel float. Allow it to harden and proceed to finish with a sponge trowel for a more traditional aspect.
May remain as it is or be covered with a paint finish (ZOLPAN MAT, SILEXTRA LISSE, SILENZZO LISSE).
- **RUSTIC FINISH:** Tyrolean render type of projection by running 2 or 3 times over the surface with a gravity spray gun, such as a hopper gun or similar (pressure 4 to 6 bars, medium hole 3 mm, ± 40 cm away from the surface, wide jet) or with render spraying machine with lance for large surfaces. May remain as it is or crushed after light hardening with a stainless steel float for a crushed rustic aspect.

Equipment

Snoothed trowel, stainless steel float, sponge trowel, coating knife, trowel.

Gravity spray gun, render spraying machine with lance for slurry texture (6 to 7 mm nozzle) for sprayed finish or under rendering.

Equipment Cleaning

WATER, immediately after use.

Practical Advice

- Application Conditions:
 - Ambient and surface temperature above 8°C (caution if T > 35°C).
 - Dry weather, sheltered from strong winds and direct sunlight.
- Extra caution required for use as finish:
 - For a good colour uniformity, respect the water proportions and maturing times after mixing, use a similar batch and work continuously over the same unit area.
 - Product sensitive to humidity during the carbonation phase with risks of efflorescence.
Avoid applying the product by rainy, condensing weather or fog, and protect from bad weather during and after the application (minimum 3 days).

CONSERVATION

- 12 months in original unopened packaging.
- Store away from humidity.

HEALTH, SAFETY, AND ENVIRONMENT

Refer to

- The safety information label on the packaging.
- The Safety Data Sheet (Fiche de Données de Sécurité) on the INTERNET: www.zolpan.fr
- The Environmental and Sanitary Declaration Sheet (FDES) "Enduits des systèmes ITE - Poudre à mouiller" on the INTERNET: www.inies.fr

IMPORTANT NOTICE REGARDING THE ZOLPAN TECHNICAL SHEETS: The information given in this sheet only has an indicative value and cannot replace the specific data relating to the type and condition of the surface to be treated.



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