

RASANTE PL-M / TR

Rev. 05 of 03/21/2012

P. 1 of 2

Technical Data Sheet No. 0609931810

Denomination

RASANTE PL-M / TR

Description

Sealing Levelling Paste

Product Details

Sealing levelling paste to be added to the cement in the ratio 1÷1 by weight, to obtain a light and easy-to-apply smoothing mortar (tool: trowel). To facilitate the mixture, it is necessary to add a quantity of water equal to 10% of the mortar. Ideal for shaving, grouting and leveling of masonry surfaces in general. It has a high chemical-physical resistance and offers a complete water-repellent protection to the treated surfaces. It is applicable both on internal and external supports. Its use is moreover recommended for reclamation projects of damp or deteriorated areas, for renovations of concrete structures, beams and pillars, after the application of an adequate primer. The TR version, made up of quartz granules up to 0.7 mm, is recommended for surfaces with large imperfections or for bonding/shaving with subsequent application of the EIFS nylon mesh, made of extruded polystyrene gripping sheets. Subsequently apply other coats of standard Rasante PL-M.

VOC Classification (Directive 2004/42/EC)

Not intended for uses contained in Legislative Decree No. 161/2006 (in Italy)

Surface Preparation & Application

NEW SUBSTRATES

Blow and dust carefully all the surface to be coated. Apply the mortar directly with a trowel. Apply it one or twice, according to the conditions of the support, then wait until the last layer is partially dry and smooth in a rotary direction with a sponge or rubber trowel, in order to remove any imperfections.

To obtain strong thicknesses, the mortar can be added with silica sand or quartz granules up to 300% by weight, without modifying the characteristics of the product but increasing the mechanical compressive strength, or the same result is possible by using Rasante PL-M/TR version with granulometry up to 0.7 mm.

DETERIORATED OLD SUBSTRATES

Remove all poorly anchored parts. Apply one or two coats of ELIOVER 011 (epoxy primer) as a consolidating agent (6 hours between each coat). After 4 hours (no more than 12 hours), apply the first coat of smoothing mortar. Then proceed as above.

E.I.F.S. COATINGS

Apply one or two coats of Rasante PL-M/TR with cement in the ratio 1 ÷ 1, plus 10% of water, directly onto the extruded polystyrene sheets. Let the mortar dry for a few minutes and place the nylon or polyether mesh in the mortar; if it is insufficient, apply an additional coat of Rasante PL-M/TR and, after complete drying, proceed with the shaving by applying one or two coats of Rasante PL-M and cement, as described above.

Practical Advices

Room Temperature: Min. 5°C / Max. 30°C

Relative Humidity: Min. 35% / Max. 85%

Substrate Conditions: Dry

Available Sizes

25 Kg - 5 Kg

Storage

- Keep container tightly closed in a dry, cool place.
- Storage Temperature: up to 5°C / below 40°C.
- Shelf Life: 24 months under optimal temperature and R.H. conditions.

Safety Standards

Product exempt from labelling according to Legislative Decree No. 65/03 (in Italy).

For further information, reference should be made to the related Material Safety Data Sheet. Empty containers or containers with slight film traces of dried residual product must be disposed of in accordance with local requirements.

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Rev. 05 of 03/21/2012 P. 2 of 2

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Technical Features	Laboratory Data @ 20°C, 65% R.H.
Vehicle Type	Synthetic Resins in Water Dispersion
Specific Weight	Paste1.400 ÷ 1.500 gr/liter Mortar2.007 gr/liter ± 100
% Solids	Paste By Weight 79,0 % ± 1 - By Volume 60,3 % ± 1 MortarBy Weight 81,4 % ± 1 - By Volume 61,5 % ± 1
Color	Ivory
Viscosity Brookfield RVT at 20°C and 20 rpm	18.000 ÷ 2.000 cps
Filmability at Low Temperature	Good at + 5°C
pH after Storage	6,5
Components	One
Dilution (V/V)	Add 10% of water to prepare the mortar
Thin With	Water
Viscosity Brookfield RVT at 20°C and 20 rpm	50.000 ÷ 5.000 cps
Flash Point	None
Tools	Float or Rubber Trowel
Workability Time of the Mortar	About 2 hours
Dry Film Total Thickness	Variable according to need (for EIFS not less than 0.5 cm totally)
Mortar Consumption	2.5 ÷ 3.0 kg per m ² per 1 mm of thickness
Drying at 20°C for 1 mm Thickness	Tack Free 4 hours Dry 72 hours
Dry to Recoat	Min. 7 days – Max. N/A
Dry Film Appearance	Referred to the mortar: very similar to a rustic cement plaster
Alkali Resistance	Alkali Resistant. It can also be applied on cementitious substrates, excluding those based on gypsum or its compounds.
Impact Resistance	Excellent
Adherence	Excellent anchoring capacity of the hydraulic binder if well mixed and proportioned
Practical Application Test	Uniform and rustic appearance, variable according to the type of sponge that is used. Rare presence of craters or small holes Cement mortar color: Concrete grey

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