

rebetop[®] plus+ hydro



TECHNICAL DATA SHEET

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rebetop

plus+ hydro

mortars for coatings

impermeable traditional cement render



use

Mortar for covering outdoor walls and ceilings, used preferably in situations which require high mechanical strength, e.g. bonding of large size and/or heavy ceramic coverings, natural stone, clinker, etc.

Surface levelling, filling of holes, channels.

May be applied manually (e.g. with trowel) or projected.

Product designed for use on surfaces which require greater thicknesses.

surfaces

- Brickwork;
- Blocks;
- Concrete;
- Splash mortar



CE marking

GP-CS IV WI
European standards
EN 998-1



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recommendations

On edges, and corners of the posts will recommends the use of suitable profiles. Do not apply in wet weather or at risk of freezing, in the hours after application. Do not use on water saturated supports.

Comply with the support of the expansion joints, these should be extended to the plaster.

About supports and hot / wet or very absorbent supports in advance and wait for the film of water disappears.

With hot weather or dry, proceed to the watering of surfaces performed in 24 and 48 hours after application.

On supports made of materials of different natures and thus with different coefficients of expansion (eg - Concrete -Masonry) must apply fiber glass in the center of thickness of the plaster, thereby improving the mechanical resistance of the coating.

Strengthening the plaster with fiber glass in areas of tension, such as boxes, shutters, will vertices, corners, etc.. The fiber glass should be incorporated into the center of the thickness of the render.

Respecting the amount of water each mixture.

Can be applied in multiple layers and at the end at least a thickness of 15 to 20mm

When it is necessary to apply a 2nd layer should do it soon after the end of the prey of the 1st layer, this should present themselves at a young age.

To ensure homogeneity of the product, the dosing of water and mixing time should be constant.

Do not add any other products to plaster.

If there are holes / imperfections in the surface proceed prior to the filling with Rebetop Plus Hydro.

Before starting the projection is important to check the points below, to avoid problems of lack of adherence to the support of the Rebetop Plus Hydro:

- The state of the mouthpiece, checking whether this has a diameter suitable for spraying, ie, if it is worn.
- Adjusting the air gun design (the distance between the air nozzle and mouthpiece to be substantially equal to the diameter of the nozzle).

During application of the Rebetop Plus Hydro should ensure adequate and constant, pressure, distance and angle of incidence of the jet projected so as to promote:

- Adhesion to the substrate Rebetop Plus Hydro;
- Uniform coverage of the coating;

Do not proceed for de finish of Rebetop Plus Hydro where the finish is coated with the ceramic. In this case only allow the plaster rough finish.

Protecting the upper edges of the lining of penetration of rainwater, using protective caps.

The efficiency of the waterproofing Rebetop Plus Hydro is connected to the layer thickness applied.

In hot weather should put cloths or tarps to protect the surface.

composition and characteristics

Composition:

Cement, silica aggregates, chemical additives.

Characteristics:

Layer thickness: 15-20 mm.

Application temperature (ambient and Support): 5 ° C to 30 ° C.

Cure Time: 28 days

Particle size 0-1 mm

Pulp density: 1700 kg/m³

Density of hardened product: 1600 kg/m³

Flexural strength: >2,5 N/mm²

Compressive strength:> 8.0 N/mm²

Capillary <0.4 kg / m².min^{0,5}

Adherence (concrete): 0.5 N/mm² - FP: A

Coef. Diffusion of Water Vapor (μ): 12.2

Thermal conductivity: λ (λ10, dry) = 0.67W/mK (tabulated value, P = 50%).

Note: the results corresponding values obtained in laboratory conditions in accordance with EN 998-1, under standard conditions may vary with the reduction or increase of temperature and type of support.

colour

Grey

consumption

1,6 Kg/m² per mm of thickness.

available in

Sacks of 30 Kg

Pallets with 48 Sacks.

storage

1 year from date of manufacture in a sealed packet stored in a damp free environment.



preparation of surface

Surfaces must be dry, clean (free of release oils, grease, dust, efflorescences or loose materials), solid and flat.

Eliminate high spots and fill any cracks before applying Rebetop Plus Hydro. On surfaces consisting of different materials (e.g. concrete – brickwork) fibre glass netting should be used in the centre of the thickness of the covering.

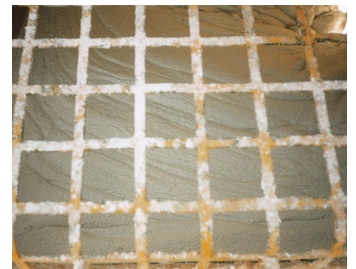
The use of profiles on edges is recommended. Protect upper edges of covering form rain water penetration by fitting protective capping.

Do not apply to very wet surfaces.



application

Mix Rebetop Plus Hydro, preferably using a mechanical mixer, with approximately 4,5 litres of clean water per bag until a consistent even paste is formed.



Apply Rebetop Plus Hydro in a single coat, working from bottom to top on the surface. Thickness per layer: 15 - 20mm.

Should the levelling of walls require greater thickness, further layers should be applied allowing the previous layer to dry first. The lower surface of each underlying layer should be left rough.



After projecting the paste, smooth out with a cement edger so as to obtain a level surface.

When the paste has hardened sufficiently, the respective finish can be applied:

- Rough finish: Cut the surface with a rectangular scrape ruler with I form.
- Sponge finish: Rough/ Cut surface with a rectangular scrape ruler with I form, then smooth using a wet sponge.

When the weather is hot or dry, surfaces should be dampened with a hose 24 hours after application. Repeat the process after 48 hours.



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mortars for coatings

types of finish

Sanded/Sponge;
Rough finish.

associated products

Rebetop Chapisco – Splash mortar.

possible coverings

Ceramics, Natural Stone, Rebetop Color, Rebetop Gran, Rebetop Decor.

