

anti-humidade

capa grossa



TECHNICAL DATA SHEET

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damp proofing

thick coat anti-damp mortar



use

Thick coat, anti-damp mortar is a product which can be used to smooth and damp-proof sunken walls, basements, lift shafts, tunnels, garages, underground car parks, water pressure bearing walls, irrigation channels, land support walls, kitchens, bathrooms, gable ends, line swimming pools and drinking water storage reservoirs, water tanks and drinking fountains, etc.

It can also be used for capillary interruption to avoid water creep on walls, to fill holes and smooth uneven surfaces and for the treatment of surfaces impregnated with sulphates (blooming).

It is resistant to both hard water and sea water. It does not attack steel reinforcing or other metal work.

Impermeable to water. Permeable to water vapour.

surface

- Concrete;
- Brick;
- Breeze blocks;
- Pre-fabricated materials;
- Render.



CE marking

GP – CSIV – W2
European standards
EN 998-1

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recommendations

Do not use in locations with a pH of less than 5 (half acid).

Do not use on industrial paving.

Do not apply in bright sunlight or to hot or frozen surfaces or surfaces which may freeze in the following 24 hours.

New concrete must first stabilize (full setting at 28 days).

Swimming pools and water storage reservoirs must be watertight. The mortar Anti-humidade CG is only a complement for waterproofing.

When a water storage tank or swimming pool is damp-proofed, allow 21 days for full setting before filling.

Drinking water tanks must be cleaned with clean water one hour before filling when damp-proofing. Repeat the operation twice before filling.

composition and characteristics

Composition:

Cements, silica compounds, dispersible resins, and specific additives.

Characteristics:

Working time of paste: 2 hours 30 minutes.

Time before application of coatings: 4 days.

Minimum application thickness: 10-20mm (vertical) and 15-20mm (horizontal).

Waiting time between layers: 2 - 3 hours.

Wait 7 days (minimum) before loading soils against walls.

Application temperature +5°C to +30°C.

Changes to drinking water: None

Bulk density: 2000 kg/m³

Density of hardened product: 1800 kg/m³

Flexural Strength: 5 N/mm²

Compressive strength: 15 N/mm²

Capillarity: <0,1 Kg/m².min^{0,5}

Thermal conductivity:

($\lambda_{10, dry}$)=0.83W/mk (tabulated value, P=50%)

Permeability to water vapor: μ 15

Adhesion (concrete) : 0,5N(mm²)–FP: A

Note: These results were obtained in the laboratory according to the specifications of the standard EN 998-1, under standard conditions may vary with the reduction or increase of temperature and the type of support.

colour

Grey

consumption

20 Kg /m²/10 mm thickness

available in

Sacks of 25 Kg.

Pallets with 48 sacks.

storage

1 year in an unopened bag kept in a damp free environment.



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preparation of surface

Surfaces must be adherent, solid, clean, free of cement splashes and release oils. Repair any irregularities in solidity or areas of poor adherence before applying.

All joints must be properly sealed before application of this product.

When working with hot surfaces or surfaces which are particularly absorbent, dampen before application.



application

Mix using mechanical mixer at slow speed with approximately 4.5 litres of water per 25kg bag so as to obtain a smooth and lump free consistency.



Manual application can be done in 1 or 2 coats, 10 to 20 mm thick.



With mechanical projection, the water pump should be set at 15 bars so as to obtain a paste at a pressure of 28 bars.

Use a nozzle of 12 to 16 mm.



Smooth with an appropriate runner. As soon as mortar Anti-humidade CG starts to harden use a polishing trowel.

May be covered with ceramic tiles, latex type paints and cement based finishing mortars.

