



TECHNICAL DATASHEET

REFLECEM

Flexible resin

DESCRIPTION

Binder compound by special resins in dispersion and additives for mixing with cement Portland. With all these components, a paste is obtained to apply with a thickness of more than 1 mm. The mixture is a product with an easy application that creates an adhesive coating.

RECOMMENDED USES

Waterproofing of terraces, façades and balconies from rain, filtration or humidity. Protection, waterproofing and coating of new and old walls, prefabricated concrete, façades, balconies, water tanks, swimming pools, kitchens, bathrooms, underground walls, porous tiles, on vertical and horizontal surfaces. Insulation of façades, ceilings and walls.

CHARACTERISTICS

- . Excellent chemical resistance.
- . Resistant to ageing.
- . Excellent durability because it is not attacked by industrial atmospheres.
- . Permeable to water steam.
- . High resistance to gas penetration like CO₂.
- . Non-poisonous, allowing its application in potable water tanks.
- . Good resistance to abrasion.
- . It absorbs fissures up to 1 mm.
- . It allows paving and tiling once it is totally dry.
- . It can be painted with water-based paint to achieve a more aesthetic finish.
- . Hydraulic coating: impermeable, flexible and protective.

TECHNICAL CHARACTERISTICS

Main component:	Special resins in aqueous dispersion.
Pigments:	Additives.
Appearance:	Whitish liquid.
Paint thinner:	Water.
Weight solids:	53 ± 3 %
Specific weight:	1,00 ± 0,05 g/cc
Colour:	Semitransparent.
Drying when touched:	Indefinite – presents stickiness.
Repainting:	Minimum 24 hours. Maximum three days.
Mixture proportion:	REFLECEM 1 kg CEMENT 1 kg
Mixture duration:	30-45 minutes to 20°C.
Theoretical performance:	Depending on the material and density. It could be 1,5 kg/m ² REFLECEM for 3 kg/m ² of the mixture.
Total drying:	28 days.
Minimum temperature of application:	8°C
Extension:	400% for 2 mm.
Packaging:	5 and 25 litres.
Cleaning:	Water.



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APPLICATION

Surface preparation:

Clean the material and remove any remains of grout, grease, oil, dust, paint, etc. The surface must be firm (resistance to minimum traction of 1 N/mm²). Repair all damage on the surface like holes and fissures with REFLECEM. For porosity differences on the surface or material's consolidation, use the mixture 3 kg of water + 2 kg REFLECEM, that will work as a base. This base must be applied with a brush or roller. The material must be wet, but without being covered with water.

Instructions for use:

Stir the content until it is uniform. The cement must be added to REFLECEM while stirring mechanically until getting a fluent and uniform paste without lumps. It must be stirred during 5 minutes and let it settle for 3 minutes. It can be applied with brush or roller although it is advisable to use a trowel to achieve a uniform finish. Give at least 2 cross coats with a minimum thickness of 2 mm each one, moisturising the material when needed. For a better protection, it is advisable to have a glassfibre net of 90 to 150 g/m². The net must be applied when the first coat is being applied. The application of the second coat must be applied after 24 hours of the first coat. When applying the mixture with the net, a flexible coat is obtained, without elasticity that covers fissures up to 1 mm. If a product with more elasticity is wanted (400 %, with 2 mm's density), 2 coats without net must be applied.

Never apply under 5°C or above 35°C.

OBSERVATIONS

The characteristics of the product can be achieved once it is completely dry and hardened, as well as applied on the specified basis.

Consumption is theoretical and it depends on the state of the material. The real consumption will be determined for each construction work and its representative tests.

The data explained here is based on our current knowledge, laboratory trials and use in a particular circumstance with subjective opinions.

Due to the impossibility of establishing an appropriate description to each nature and state of each surface, it is impossible to guarantee the total reproduction for each specific use.

The manufacturer and the seller do not assume, except for specific written agreements, any responsibility coming from the use of our products, results, damage, etc., that can be presented in applications carried out according to our recommendations, since they are out of control of the company.

STABILITY AND PRESERVATION IN THE CONTAINER

Preserve in a well-closed container, under cover and in a temperature between 5-30 °C.

The shelf life of the product in its original container and without opening is one year.

SAFETY AND ENVIRONMENT

Special safety measures are not required since it is a product with a water base, except for the usual ones. Do not eat. Keep open containers away from children. Keep a good ventilation in case of an indoors application. For more information, see the safety datasheet of the product.

Data indicated in this technical datasheet can be modified without prior notice.

REVIEW: 03/01/2022