

ROUGH COAT

Repair concrete and mortar for passivation, repair and monolithic consolidation of degraded concrete structures, regulation prior to painting or coating surfaces.

DESCRIPTION

High-component mortar ready for use with the simple addition of clean water, especially designed to passivate, repairing and smoothing concrete degraded by reinforcement corrosion or mechanical performance carbonation.

FIELDS OF APPLICATION

- Repair Pillars, columns, corbels, beams, balcony fronts, overhangs, cornices, retaining walls, repair existing concrete pavements, indoor and outdoor and any deteriorated concrete or mortar.
- Regulation of concrete surfaces and mortars.
- Repairs Specific concrete and mortar. Both horizontal and vertical surfaces and ceilings.
- Regulation Prior to the application of paints and coatings due to its fine grain surfaces.

PREPARING THE SURFACE

The support surface may be dry or damp but must be clean and free of dust, grease, oil, oxides and in general any foreign element that can distort its adhesion to the support.

Areas contaminated or damaged concrete must be removed until a resistant surface, the edges of the repair is mechanically cut to about 5 mm minimum depth.

The trusses exposed mechanically cleaned to a minimum of Sa2 degree.

The substrate on which will be applied to at least + 5 ° C and maximum + 30 ° C.

In hot climates the support is wetted, the surface should be damp but not obscured bleed water.

RECOMMENDATIONS

Apply between 5 C and 30 C.

-In Reheated or very absorbent walls, wetting them previously. Do not apply with dry winds.

Do not apply at risk of rain.

-The Surface must be clean of dust, grease, old paint.

-On Concrete, to avoid stripping products residues (wash).

APPLICATION

Application of the mortar can be manually or mortar spraying machine.

Push the product with the trowel Sto get compact layers, and make sure the previous coat is dry before applying the next coat.

The completion of the mortar must be done with a sponge trowel or float eleven the product has Begun to harden but still keep the moisture needed.

CLEANING TOOLS

Clean all tools and application equipment with water immediately after use. The hardened material can only be removed by mechanical tools.

NOTE: These advises are given in good faith and are based on the results of long experience, and our tests laboratorio.- As the application conditions are beyond our control, not responsibility can be accepted by us for improper use our product.

DESIGN
CONCRETE

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PRODUCT TECHNICAL SPECIFICATIONS

CLASSIFICATION	Class R ₄ according with European standard en 1504
GRANULOMETRY	0-1MM
POWDER DENSITY	1400±100kg/m ³
CONSUMPTION	17 kg of powder per cm thick and m ² , or 1.3 kg per mm and m ²
USE TEMPERATURE	5 to 35°C
KNEADING WATER	5,5 - 5,7 litres/bag
REST TIME AFTER MIXING	5 minutes
LIFE TIME OF THE MIXING	45 minutes
STARTING TIME OF CURED	>3 hours
FINISH TIME OF CURED	<6 hours
MINIMUM THICKNESS PER COAT	5mm
MAXIMUM LAYER THICKNESS	40mm
BULK DENSITY	2,1kg/m ³
DENSITY OF HARDENED PRODUCT	2,1kg/m ³
ADHESION TO CONCRETE	>2,0MPa
DYNAMIC MODULUS OF ELASTICITY	≥20GPa
CAPILLARITY	≤0,5kg.m ² .ho,5
HAZARDOUS SUBSTANCES	According with 5.4
RETRACTION	≤1,3mm/m
CHLORIDE IONS CONTENT (minimum required <0,05%)	0,01%
FIRE RESISTANCE	Euroclass A ₁ /A ₁ fl
THERMAL COMPATIBILITY PART 1	≥1,5MPa
BOND STRENGTH TEST AFTER SHRINKAGE / EXPANSION CONTROLLED	≥1,5MPa
CARBONATION RESISTANCE	DK ≤ concrete type mc control (0.45)
COMPRESSIVE STRENGTH	~ 48 MPA (28 DAYS)
FLEXURAL STRENGTH	~ 8 MPA (28 DAYS)