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SCHEDA TECNICA



RF 410



CEMENT-BASED LEVELLING GROUT FOR "SMOOTH" FINISH

PRODUCT

Fibre-reinforced, ultra-thin, cement-based levelling grout for "smooth" finish of indoor ready-mixed or traditional base-coat plasters.

CHARACTERISTICS

Highly workable, practical and economical to use, it has very good adhesion to the substrate, good transpiration, significant mechanical resistance and weathering resistance, durability and high yields. Suitable for coating with wallpaper, paintable.

APPLICATION FIELDS

Interior and exterior "smooth" levelling and finishing of buildings for civil and industrial use.

SUBSTRATES

Pre-mixed or traditional rough plaster and levelling of cement-based substrate and new or seasoned lime.

On surfaces in plaster, gypsum or similar, previously use the Primer RM 25 then apply a smoothing compound once the primer has dried up. On smooth concrete substrates apply preventively the adhesion primer Edilcol RM 30, while still wet. In case of non homogeneous substrates insert the thin mesh HT 70 between the two coats of levelling grout.

CONSUMPTION

1,2 - 1,5 kg/sqm per mm of thickness.

PACKAGING

20 kg bags on pallets of 1200 kg.

STORAGE

12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS

The levelling of the irregularities till 6 mm and the "smooth" finishing of traditional or pre-mixed cement plasters and levellings, must be carried out with a specific levelling grout such as RF 410 by Edilcol Italia, mixed only with water and applied in two or more coats, having a compressive strength $\geq 6,0$ N/sqmm after 28 days.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION

- Make sure that the bricks to be assembled are clean and free of dust.
- Always dampen the seasoned, dried or otherwise placed for over 48 hours substrates.
- Mix a bag of RF 410 with about 8 liters of water, either manually or with a mixer at a low numbers of turns, until obtaining a homogeneous and plastic mixture.

APPLICATION

- Let rest for about 10 minutes then stir again briefly before applying in 2 or more coats of 1 - 2 mm for coats, after 1 hour from each other, with a metal trowel on wet substrate.
- Finish until obtaining a homogeneous surface.

RECOMMENDATIONS

Do not apply on dry, inconsistent, crumbly, dirty, or painted substrates. Do not apply directly on concrete or plaster substrates.

Avoid the outdoor application in hot or very windy days, on substrates during frozen or thawing phase, with frost risk in the next 24 hours and at temperatures below +5 ° C to +35 ° C.

Not suitable for heavy coatings.

Wait for the complete maturation of the levelling before proceeding to an eventual painting.

Although the details contained in this product report correspond to the best of our current experience, all the above information must be confirmed after practical applications. Anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of product. The values given in the technical data derived from tests conducted in laboratory, in a controlled environment, so they may be greatly modified by the conditions of installation.

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Appearance:	white powder	
Composition:	cement, lime, micronized aggregates, resins, additives	
Granulometry:	≤ 0,1 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 40 %	
Bulk density of fresh mortar:	≈ 1,7 Kg/l	(EN 1015-6)
Bulk density of the dried mortar:	≈ 1,3 Kg/l	(EN 1015-10)
Pot life:	< 3 hours	
Levelling thickness:	1 - 2 mm for coat	
Max irregularities:	6 mm	
Coats number:	2 coats	
Waiting time for the second coat:	≈ 1 hour (at occurred shrinkage)	
Waiting time for painting:	≈ 20 days	
Compressive strength:	≥ 6 N/sqmm - Category CSIII	(EN 1015-11)
Flexural strength:	≥ 1,5 N/sqmm	(EN 1015-11)
Adhesion on concrete- FP:	≥ 0,5 N/sqmm - B	(EN 1015-12)
Water absorption by capillarity:	Category W0	(EN 998-1)
Permeability to water vapor μ:	5/20 (tabulated value)	(EN 1745)
Thermal Conductivity (λ _{10,dry}):	0,54 (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)