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per grandi progetti.

SCHEDA TECNICA



RS 400 BIO

COLOURED, NHL 3.5 NATURAL
HYDRAULIC LIME LEVELLING
GROUT FOR "FINE FLOAT" FINISH



PRODUCT

Waterproofed and fibre-reinforced, ecofriendly and breathable NHL 3.5 natural hydraulic lime levelling grout, compliant with EN 459-1 standard. "Fine float" finish for indoor and outdoor use.

CHARACTERISTICS

Easy, fast and cheap to use, it has excellent adhesion to substrates, good breathability, considerable mechanical strength and weather resistance, durability and high yields.

Available in 12 basic colors and 6 bright colors. The basic colors, soft and velvety, take up the traditional colors of lime paints and natural lands; the bright colors give to the product a distinctive brilliance.

High UV stability.

APPLICATION FIELDS

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

SUBSTRATES

Pre-mixed or traditional rough plaster substrate, free from cement.

In case of non homogeneous substrates insert the thin mesh HT 70 between the two coats of levelling grout.

CONSUMPTION

3 - 4 kg/sqm for about 2 mm of thickness.

PACKAGING

25 kg bags on pallets of 1500 kg.

STORAGE

12 months in a dry place in its original packaging.

ITEM SPECIFICATIONS

The levelling of the irregularities and the finishing at "fine float" of traditional or pre-mixed free from cement plasters, must be carried out with a specific levelling grout UV stable, such as RS 400 BIO by Edilcol Italia, mixed only with water and applied in two coats, having a compressive strength $\geq 1,5$ 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 supports are clean, resistant, rough and uniform.
- Always dampen the seasoned, dried or placed for over 48 hours substrates.
- In case of colored smoothing, apply a suitable breathable fixative to make uniform color.
- Mix a bag of RS 400 BIO with about 6 liters of water, either manually or with a mixer at a low numbers of turns, until obtaining a homogeneous and plastic mixture.

APPLICATION

- Let it rest for about 10 minutes then stir it again briefly before applying in 2 coats of 1-2 mm per coat, after 1 hour from each other, with a metal trowel on wet substrate.
- Finish with a sponge float, dampened with water if necessary, until obtaining a homogeneous surface.
- When completed is good practice to apply the repellent KD 390 for extra protection and easy cleaning of the coating.

RECOMMENDATIONS

Do not apply to dry, inconsistent, crumbly, dirty, or painted 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 +8 °C or above +30 °C.

For colored smoothing external applications it is necessary to protect it from wind, rain and direct sunlight, in the first 10 days.

For a greater color uniformity avoid to split excessively the application with different materials and installation conditions.

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.

DATI TECNICI

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Appearance:	Hazelnut, white, coloured powder	
Composition:	Natural hydraulic lime NHL 3.5, selected aggregates, inorganic pigments	
Granulometry:	≤ 0,6 mm	
Application temperature:	5°C / + 35°C (uncolored) 8°C / + 30°C (colored)	
Mixing water:	≈ 24 %	
Consistence of fresh mortar:	≈ 175 mm	(EN 1015-3)
Density of fresh mortar:	≈ 1,6 Kg/l	(EN 1015-6)
Density of dried mortar:	≈ 1,4 Kg/l	(EN 1015-10)
Pot life:	≈ 2 hours	
Levelling thickness:	1 - 2 mm per coat	
Coats number:	2 coats	
Waiting time for second coat:	≈ 4 hours (at occurred shrinkage)	
Waiting time for painting:	≈ 20 days	
Compressive strength:	≥ 3,0 N/sqmm - Category CSII	(EN 1015-11)
Flexural strength:	≥ 1,0 N/sqmm	(EN 1015-11)
Adhesion – FP:	≈ 0,5 N/sqmm - B	(EN 1015-12)
Water absorption by capillarity:	≤ 0,4 Kg/(sqm min ^{0,5}) - W1	(EN 1015-18)
Permeability to water vapor μ:	5/20 (tabulated value)	(EN 1745)
Thermal Conductivity (λ _{10,dry}):	0,47 (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)