



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



RF 410 BIO

NHL 3.5 NATURAL HYDRAULIC
LIME LEVELLING GROUT FOR
"SMOOTH" FINISH



PRODUCT

Super-thin, waterproofed, fibre-reinforced, ecofriendly and breathable NHL 3.5 natural hydraulic lime levelling grout compliant with EN 459-1 standard. Smooth finish for indoor and outdoor use

CHARACTERISTICS

Easy, fast and chip to use, it has very good adhesion to the substrate, good transpiration, significant mechanical resistance and weathering resistance, durability and high yields.

APPLICATION FIELDS

Interior and exterior "smooth" 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

1,1 - 1,2 kg/sqm per 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 till 10 mm and the "smooth" finishing of traditional or pre-mixed free from cement plasters, must be carried out with a specific levelling grout such as RF 410 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.
- Mix a bag of RF 410 BIO with about 9 - 10 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 4 hours 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.

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 of +5 °C or higher than +35 °C.

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

Rev. 02 - 02/2016

Appearance:	White powder	
Composition:	Natural hydraulic lime NHL 3.5, selected aggregates, additives	
Granulometry:	Min. 95% < 0,1 mm	
Application temperature:	5°C / + 35°C (uncolored)	
Mixing water:	≈ 48 %	
Consistence of fresh mortar:	≈ 175 mm	(EN 1015-3)
Density of fresh mortar:	≈ 1,6 Kg/l	(EN 1015-6)
Density of dried mortar:	≈ 1,1 Kg/l	(EN 1015-10)
Pot life:	≈ 2 hours	
Setting time with Vicat needle (start / end):	6 hours / 8 hours	
Levelling thickness:	1 - 2 mm per coat	
Coats number:	2coats	
Waiting time for the second coat:	≈ 2 hours (at occurred shrinkage)	
Waiting time for painting:	≈ 20 days	
Compressive strength:	≥ 1,5 N/sqmm - Category CSII	(EN 1015-11)
Flexural strength:	≥ 0,7 N/sqmm	(EN 1015-11)
Adhesion - FP:	≥ 0,4 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 ($\lambda_{10,dry}$):	0,47 (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)