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per grandi progetti.

SCHEDA TECNICA



RS 400 BIO DESAN



NHL 3.5 NATURAL HYDRAULIC
LIME-BASED RESTORATION
LEVELLING GROUT

PRODUCT

Fibre-reinforced, macro-porous, breathable, NHL 3.5 Natural hydraulic lime-based plaster with lightweight mineral aggregates, for "fine float" finish of the IP 100 BIO Desan plaster in the restoration of damp masonry and masonry with saline efflorescence. Indoor/outdoor.

CARATTERISTICS

Easy, fast and cheap to use, it has excellent adhesion to substrates, good transpiration, high vapor permeability, significant mechanical resistance and weather resistance, durability and high yields. Sulphate-resistant, water-repellent. High UV stability.

APPLICATION FIELDS

Interior and exterior "fine float" levelling and finishing", for the restoration of damp masonries of buildings for civil and industrial use.

SUBSTRATES

Macroporous dehumidifying plaster.

CONSUMPTION

3 - 4 kg/sqm for about 3 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 the macroporous dehumidifying plaster, must be carried out with a specific levelling grout UV stable such as RS 400 BIO Desan by Edilcol Italia, mixed only with water and applied in two coats, having a compressive strength $\geq 3,0$ N/sqmm after 28 days.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION

- Check that the substrates are clean, resistant, rough and uniform.
- Always dampen the seasoned, dried or applied for more than 48 hours substrates.
- Mix a bag of RS 400 BIO Desan 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 and 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.

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:	Hazelnut powder	
Composition:	NHL 3.5 Natural hydraulic lime, limestone aggregates, lightweight mineral aggregates, additives	
Granulometry:	≤ 0,6 mm	
Application temperature:	5°C / + 35°C	
Mixing water:	≈ 24 %	
Consistence of fresh mortar:	≈ 175 mm	(EN 1015-3)
Bulk density of fresh mortar:	≈ 1,6 Kg/l	(EN 1015-6)
Bulk density of the 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 the second coat:	≈ 4 hours (at occurred shrinkage)	
Waiting time for painting:	≈ 20 days	
Compressive strength:	≥ 3,0 N/sqmm - CategoryCSII	(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:	c ≥ 0,3 kg/sqm after 24 hours	(EN 1015-18)
Water penetration after the test of absorption by capillarity:	≤ 5 mm	(EN 1015-18)
Permeability to water vapor μ:	μ ≤ 15	(EN 1015-19)
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)