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per grandi progetti.

SCHEDA TECNICA



IP 100 Machine

READY-MIXED PLASTER



PRODUCT

Ready-to-use cement-lime-based base-coat for plastering of brick and thermo masonry walls applied by using a plastering machine.

CHARACTERISTICS

Easy, fast and cheap to use, it has excellent adhesion to substrates, good water vapor permeability, mechanical strength and high yields.

It is allowed also for manual applications and for reduced thicknesses up to 25% compared to traditional plaster or similar.

APPLICATION FIELDS

Walls and ceilings, inside and outside, of buildings for civil and industrial use.

SUBSTRATES

Brick and new thermal brick, concrete blocks.

On smooth concrete substrates apply preventively the adhesion primer Edilcol RM 30, while still wet. On mixed substrates (eg. Brick + concrete) apply a mesh, such as HT 125 Fiberglass immersed in the surface of the plaster.

CONSUMPTION

13,0 - 14,0 kg/sqm per 10 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 background of internal and external mechanical plastering, masonry natural stone, brick, brickwork, must be made with specific pre-mixed plaster such as IP 100 Machine by Edilcol Italia, mixed with water and applied in one or two layers with a thickness of 1-2 cm for coat and that has a compressive strength $\geq 3,5$ N/sqmm after 28 days.



Cert. n. 27395-2008-AQ-ITA



Cert. n. 1982-CPR-059/471



Polizza n. 70023

PREPARATION

- Moisten and check that the substrates are clean, tough, rough and homogeneous.
- Place corner guards and wings.
- Adjust the flow of the plastering machine at about 22 liters for every 100 kg of powder or mix a bag of IP 100 Machine with about 5,5 liters of water, to obtain a large and plastic mortar.

APPLICATION

- Apply with a thickness of 1 - 2 cm in an unique coat positioning at about 20 cm (machine application) of distance and then, after few minutes of waiting, level with a metal straightedge.
- For thicknesses greater than 2 cm apply a second coat after 24 hours.
- After about 3 - 6 hours, after the hardening process, smooth the surface and square corners and edges.

RECOMMENDATIONS

Do not apply on flimsy, friable or painted or plaster, insulating blocks and cellular concrete. At outdoor, use IP 100 WATERPROOFED on thermal brick plaster. On surfaces in tuff and soft stone or outside with heavy coatings, use the special plaster IP 100 fibre-reinforced. Always wet the day before the application and then for a few days, to prevent rapid drying. Avoid exterior application in very windy days, on frozen or thawing substrates, and at temperatures below +5° C or above +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

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Appearance:	grey, white powder	
Composition:	cement, lime, selected aggregates, resins, additives	
Granulometry:	≤ 1,5 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 22%	
Consistence of fresh mortar:	≈ 170 mm	(EN 1015-3)
Density of fresh mortar:	≈ 1,7 Kg/l	(EN 1015-6)
Density of hardened mortar:	≈ 1,5 Kg/l	(EN 1015-10)
Pot life	≈ 2 hours	
Plaster application:	mechanical (1-2 coats) - also applicable by hand	
Plaster thickness:	1 - 2 cm for coat	
Waiting time for second-coat:	≈ 24 hours	
Waiting time for smoothing:	> 5 hours	
Compressive strength (28 days)::	≥ 4,0 N/sqmm Category CSIII	(EN 1015-11)
Flexural strength (28 days):	≥ 1,5 N/sqmm	(EN 1015-11)
Adhesion – FP:	> 0,5 N/sqmm - B	(EN 1015-12)
Capillary absorption:	Category W0	(EN 998-1)
Permeability to water vapor μ:	5/20 (tabulated value)	(EN 1745)
Thermal Conductivity (λ _{10,dry}):	0,54 W/mK (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)