



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



IP 100 Hand

READY-MIXED PLASTER



PRODUCT

Ready-to-use cement-lime-based base-coat for hand plastering of brick and thermo masonry walls.

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

14,5 - 15,5 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 manual plastering of the substrate of internal and external brickwork, must be made with specific pre-mixed plaster such as IP 100 Hand 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.
- Mix one bag of IP 100 Hand with about 4.5 to 5 liters of water to obtain a consistent and plastic mortar.

APPLICATION

- Apply with a thickness of 1 - 2 cm in an unique laying 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 4 - 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 fiber-reinforced.

In warm seasons, always wet the day before the application and then for few days, to prevent a rapid drying.

Avoid exterior application in very windy days, on frozen or thawing substrates, and / or 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

Rev. 03 - 02/2016

Appearance:	grey, white powder	
Composition:	cement, lime, selected aggregates, resins, additives	
Granulometry:	≤ 1,5 mm	
Application temperature:	+ 5°C / + 35°C	
Mixing water:	≈ 18%	
Consistence of fresh mortar:	≈ 175 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:	manual	
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)