



la scelta giusta
per grandi progetti.

SCHEDA TECNICA



IP 100 Fibre-reinforced

SPECIAL READY-MIXED



PRODUCT

Ready-to-use fibre-reinforced cement-lime-based base-coat for plastering of external masonry to be covered with heavy materials (ceramics or natural stones).

CHARACTERISTICS

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

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

APPLICATION FIELD

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

SUBSTRATES

Brick and new thermal brick, concrete blocks, old mixed masonry walls.

On smooth concrete substrates apply preventively the adhesion primer Edilcol RM 30, while still wet.

CONSUMPTION

15,0 - 16,0 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 mechanical and manual plastering of masonry to be covered with heavy materials, must be made with specific pre-mixed plaster such as IP 100 Fibre-reinforced 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 ≥ 6 N/sqmm after 28 days.

PREPARATION

- Moisten and check that the supports are clean, tough, rough and homogeneous.
- Place corner guards and wings.
- Mix a bag of IP 100 Fibre-reinforced with about 4.5 liters of water, or adjust the flow of the plastering machine at about 17 liters for every 100 kg of powder, to obtain a consistent and plastic mortar

APPLICATION

- Apply with a thickness of 1 - 2 cm in a single coat, and then, after a 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. In warm seasons, always wet the day before the application and then for a 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.

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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:	≈ 17%	
Consistence of fresh mortar:	≈ 175 mm	(EN 1015-3)
Density of fresh mortar:	≈ 1,8 Kg/l	(EN 1015-6)
Density of hardened mortar:	≈ 1,6 Kg/l	(EN 1015-10)
Pot life	≈ 2 hours	
Plaster application:	mecchanical or manual (1 - 2 coats)	
Plaster thickness:	1 - 2 cm for coats	
Waiting time for second-coat:	≈ 24 hours	
Waiting time for smoothing:	≈ 4 - 6 hours	
Compressive strength (28 days)::	≥ 6,0 N/sqmm - Category CSIV	(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:	15/35 (tabulated value)	(EN 1745)
Thermal Conductivity (λ _{10,dry}):	0,76 W/mK (tabulated value)	(EN 1745)
Reaction to fire:	Class A1	(EN 13501)
Contribution to smoking:	none	
Hazard classification:	none	(EC 99/45)