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per grandi progetti.

SCHEDA TECNICA



## IP 100 Waterproofed

SPECIAL READY-MIXED  
PLASTER



### PRODUCT

Ready-to-use fibre-reinforced cement-lime-based base-coat plaster for waterproofed plastering of brick and thermo masonry walls.

### CHARACTERISTICS

Easy, fast and cheap to use, it has excellent adhesion to substrates and good vapor permeability, low water absorption, surface protection, mechanical resistance and high yields.

It reduces the formation of plaster fissures.

### APPLICATION FIELDS

Interior and exterior walls 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 background of mechanical and manual waterproofing plastering must be made with specific pre-mixed plaster such as IP 100 Waterproofed 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.

## PREPARATION

- Moisten and verify that the supports are clean, tough, rough and homogeneous.
- Place corner guards and wings.
- Mix a bag of IP 100 Waterproofed with about 5 liters of water until obtaining a consistent and plastic mortar

## APPLICATION

- Apply with a thickness of 1 - 2 cm in a single coat 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 outside, with heavy coatings use the special plaster IP 100 fibre-reinforced. In warm seasons, always wet the day before the application and then for few days, to prevent a rapid drying. Avoid the 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

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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:                                | ≈ 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:                         | mechanical or manual (1 - 2 coats)                   |              |
| Plaster thickness:                           | 1,5 - 2 cm for coat                                  |              |
| Waiting time for second-coat:                | ≈ 24 hours                                           |              |
| Waiting time for smoothing:                  | 3 - 6 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:                               | > 0,6 N/sqmm - B                                     | (EN 1015-12) |
| Capillary absorption:                        | c ≤ 0,2 Kg/(sqm min <sup>0,5</sup> ) - W2            | (EN 1015-18) |
| Permeability to water vapor μ:               | 5/20 (tabulated value)                               | (EN 1745)    |
| Thermal Conductivity (λ <sub>10,dry</sub> ): | 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)   |