

Technical 20.01.2015

## MTI 250

### MORTAR FOR PLASTERING

#### Use:

It is used as a highly resistant plastering mortar, for consolidation-structural rehabilitation works and plastering for indoors and outdoors, with classic manual method or with a specialized machine.

Product is applied only on mineral bases. Product does not apply on wood, plastic, metal, plasterboards.

#### Characteristics:

- Resistance to high compression
- Easy workability
- Very good adherence
- With a single layer, mortar is applied and finished
- Applicable in a single layer of 2.0 – 3.0 cm thickness; 10 cm in 3 successive layers

#### Technical data:

|   |   |
|---|---|
| Item No.:                               | MT 250  |
| Material foundation:                    | Cement, lime, mineral aggregates, polymers, plasticizers  |
| Class or mortar:                        | CS III according to SR EN 998 – 1 / 2011  |
| Granularity:                            | 0 – 4 mm  |
| Bucket time:                            | Approx. 3 hours   |
| Reaction to fire:                       | Class A1  |
| Absorption by capillarity:              | W0  |
| Air/substrate temperature when placing: | Min. +5°C max. +35°C  |
| Consumption:                            | Approx. 15 - 17 kg / m <sup>2</sup> / cm  |
| Packaging:                              | Paper bag resistant to humidity, silo   |
| Delivery:                               | 30 kg, bulk   |
| Storage / Validity:                     | 12 months from date of fabrication on the packaging, according to Directive 1907/2006/EC and GR 932/2004, at 20°C and 65% relative humidity. Store in dry spaces on wooden pallets. |

Technical data and those related to consumption are determined in standard conditions.

There may be differences depending on conditions of applications.

**Base:**

Product is applied directly on concrete, brick or ACC, expanded polystyrene structures (highly absorbent surfaces or with poor adherence, will be properly treated in advance).

**Preparing the surface:**

Inspect the condition of the walls, remove all masonry mortar residues, eliminate exfoliations, impurities and dust on the walls.

Fix the profiles for the protection of edges and apply protection foils and adhesive tape on doors and windows. Prepare glass fiber meshes that are 10 cm longer and wider to reinforce sections of walls without absorption, such as wooden or concrete beams.

**Processing:**

**Mechanical application:** A spritz from the same material is applied in advance, adjusted at an amount of water of 22% - 24% and is left to harden for 24 hours. After total and complete hardening of the spritz, mortar is applied. Adjust the water quantity as necessary and apply the mortar in its final thickness, in layers with an average 2,0 cm thickness. Introduce mortar in the reinforcement mesh for wooden or concrete beams or other non-absorbent spaces. Level the thickness with a leveling board and then let it dry until the plaster hardens (approx. 3 hours). Moisten superficially and even the surface with a red sponge smoothing board. After approx. 30 minutes, surface can be further finished with a grouter. When applying on polystyrene structures reinforced with metal mesh, initially a splash with higher fluidity from the same material is applied, and then successive layers of plastering mortar are applied, at normal consistency, until the reinforcement mesh is completely incorporated (approx. 3-4 cm).

**Manual application:** Pour the powder in water and mix vigorously, preferably mechanically, until you obtain a creamy, homogenous, easy-to-process mix. It is recommended to mix a quantity that you will use in maximum 30 minutes. Wait 10 minutes for all the chemical reactions to take place and then mix vigorously one more time. It is applied by the classic method, following the same processing steps as with mechanical application.

Surface obtained can be finished as follows:

- with finishing plaster ADEPLAST M-TINCI, in order to obtain a finished surface with a smoother surface, followed by the CRAFTSMAN'S PRIMER for paints and painting with Super Craftman's Paint (indoors) or Craftman's Paint for outdoors
- with grout and decorative plaster DECOPLAST, with various granularities and structures, both indoors and outdoors
- with mineral decorative plaster EDELPUTZ (white or natural white) subsequently covered with Super Craftman's Paint (indoors) or Craftman's Paint for outdoors

**ATTENTION!!!**

**WHEN APPLYING ON CEILINGS OR IF APPLIED ON A MAXIMUM 10 MM LAYER, IT IS RECOMMENDED TO USE ADEPLAST BETONCONTACT.**

**WHEN APPLYING ON CONCRETE SURFACES, IT IS MANDATORY TO APPLY IN ADVANCE ADEPLAST BETONCONTACT.**

WHEN APPLYING ON ACC SURFACES, IT IS MANDATORY TO APPLY IN ADVANCE ADEPLAST AMC 50 CEMENT SPLASH.

WHEN APPLIED ON ABSORBENT BRICK (VERIFY IN ADVANCE THE ABSORPTION OF BRICK), APPLY A SPLASH FROM THE SAME MATERIAL, WITH A HIGHER FLUIDITY. AFTER IT HARDENS COMPLETELY (24 HOURS AFTER APPLICATION) SURFACE CAN BE PLASTERED WITH THE MATERIAL AT THE DESIRED CONSISTENCY. DRYING TIME IS MINIMUM 7 DAYS FOR EACH CENTIMETER APPLIED, AT A TEMPERATURE OF +20°C. AT LOWER TEMPERATURES, DRYING TIME IS PROLONGED.

**Important:**

- Consideration must be given to additional measures for the protection of surfaces against fast dehydration, bad weather or frost;
- **Avoid direct exposure of surfaces to sunlight during application;**
- Comply with the information in the technical security sheet;
- This technical sheet replaces all previous versions. Information in this technical sheet represent our experience with this product up to this day. This technical sheet does not clear the user of the product from making his own decision and evaluation including by samples, regarding the appropriateness of using the product. SCHOMBURG / ADEPLAST products as well as their aggregate raw materials are continuously monitored in our own laboratories for consistent quality. Our advisory service is available for questions regarding product application and demonstrations. Comply with the information in the security technical sheet.