



Technical 23.04.2018

## MTI 25

### Mortar for plastering and repairs, applicable by hand or with a plastering machine



#### Use:

Mortar for support or smoothed plastering, CS II according SR EN 998 - 1 / 2016 for indoors application on mineral bases. Mortar for manual or mechanical application, including in spaces with high humidity, such as bathrooms or kitchens. Depending on the absorption of the base, it is properly primed or moistened. Product is applied only on mineral bases. Product does not apply on wood, plastic, metal, plasterboards.

#### Characteristics:

- Very good adherence
- Application up to 2,5 cm in a single layer
- Super finished surface
- Easy processing

#### Technical data:

|   |   |
|---|---|
| Item No.:                               | MTI 25  |
| Material foundation:                    | Cement, lime, mineral aggregates, polymers, plasticizers  |
| Class or mortar:                        | CS II according to SR EN 998 – 1 / 2016   |
| Granularity:                            | 0 – 2 mm  |
| Bucket time:                            | Approx. 3 hours   |
| Reaction to fire:                       | Class A1  |
| Absorption by capillarity:              | W0  |
| Application thickness:                  | Min. 10 mm – max. 25 mm / layer   |
| Air/substrate temperature when placing: | Min. +5°C max. +35°C  |
| Consumption:                            | Approx. 10 - 13 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 on concrete, brick or ACC surfaces. It is necessary to prime, moisten or apply a product to achieve an adherence bridge, depending on the absorption of the base. Surface must be resistant, clean, dry, without cracks or fissures, free of grease, dusts, loose debris, salts or other material that can form a separator layer. Fragile portions and mortar residues must be removed. Joints between the masonry blocks are closed in advance with mortar.

**When using on ceilings, use ADEPLAST BETONKONTAKT for an adherence bridge.**

**When applying on ACC, use in advance ADEPLAST AMC 50 cement splash.**

**When applying on high absorption bricks, verify in advance the degree of absorption and apply AMC 50 cement splash. After the splash layer is completely dried, approx. 24 hours, apply the MTI 25 plaster.**

**Preparing the surface:**

Inspect the condition of the walls, remove all masonry mortar residues, the fragile portions in the base and dust the surface.

Fix the profiles for the protection of edges and protect windows and doors with foil.

Prepare the reinforcement mesh for the sections of walls without absorption, such as wooden or concrete beams. The reinforcement mesh must be 10 cm larger and longer than the section that needs reinforcement.

**Processing:**

**Mechanical application:** For application, use standard plastering machines. Adjust the water quantity as necessary (0,22 - 0,24 liters / kg, 6,6 - 7,2 liters / 30 kg). The plastering mortar is applied on the wall and is leveled. Incorporate the reinforcement mesh prepared for the sections without absorption, wooden or concrete beams. The plastering mortar is applied on the wall in 10 mm layer, maximum thickness / layer can reach up to 25 mm and is leveled with 2 m long aluminum leveling boards to ensure smoothness of the surface. At thicknesses greater than 25 mm, it is recommended to apply in two strands wet on wet. After the plaster is applied and leveled, leave it to dry for approx. 3 hours. After the plaster has hardened so that it is no longer soft when you gently press it with your fingers, you can start evening the surface. Surface is superficially moistened and evened with a red sponge smoothing board. Approx. 30 minutes after evening, surface can be further finished by smoothing with the grouter.

**Manual application:** For 30 kg of MTI 25, mix homogeneously approx. 6,6 – 7,2 liters of clean water, preferably with an electric mixer. Allow to rest for 5 - 10 min. and then one more brief vigorous mix. Mix a quantity of material that can be used in maximum 30 minutes. The plastering mortar is applied on the wall and is leveled. Incorporate the reinforcement mesh prepared for the sections without absorption, wooden or concrete beams. The plastering mortar is applied on the wall in 10 mm layer, maximum thickness / layer can reach up to 25 mm and is leveled with 2 m long aluminum leveling boards to ensure smoothness of the surface. At thicknesses greater than 25 mm, it is recommended to apply in two strands wet on wet. After the plaster is applied and leveled, leave it to dry for approx. 3 hours. After the plaster has hardened so that it is no longer soft when you gently press it with your fingers, you can start evening the surface. Surface is superficially moistened and evened with a red sponge smoothing board. Approx. 30 minutes after evening, surface can be further finished by smoothing with the grouter.

After complete drying, approx. 1 mm/day depending on air temperature and humidity, surface can be further finished with ADEPLAST gypsum or cement-based plaster and / or ADEPLAST COLOR SYSTEM paints.

Low temperatures and high air humidity prolong this drying and hardening period.

**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.