

Technical 08.05.2017

MTI ENERGY

Gypsum-based plastering mortar

Use:

Gypsum-based mortar for plastering, B6/50/2 according to SR EN 13279 - 1 / 2009. Product for indoors and outdoors application on mineral bases. Mortar for manual or mechanic application in spaces without high exposure to humidity. Product is applied only on mineral bases. Product does not apply on wood, plastic, metal, plasterboards.



Characteristics:

- Very good adherence
- Application up to 8 – 10 cm in successive layers, wet on wet
- Application in a single layer of 2,5 cm, minimum thickness 10mm
- Easy processing
- Excellent thermal insulation

Technical data:

Item No.:	MTI G ENERGY
Material foundation:	Gypsum, lime, mineral aggregates, polymers, plasticizers
Class or mortar:	B6/50/2 according to SR EN 13279 – 1 / 2009
Granularity:	0 – 0,8 mm
Bucket time:	Approx. 70 minutes
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. +30°C
Consumption:	Approx. 10 - 11 kg / m ² / 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 or if applied in a layer under 10 mm, 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 G 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 (0,3 - 0,4 liters / kg, 9 -12 liters / 30 kg) and prime the plastering machine with water. The plastering mortar is applied on the wall in 10-20 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. After the surface is covered, mortar is left to dry superficially and excess of material is cut with the leveling board. After a shallow hardening, surface is moistened superficially and evened with a red sponge smoothing board. After a shallow hardening, surface is smoothed with a stainless steel grouter.

Manual application: For 30 kg of MTI G, mix homogeneously approx. 9-12 liters of clean water, preferably with an electric mixer. Allow to rest for 5 - 10 min. and then one more brief vigorous mix. The plastering mortar is applied on the wall in 10-20 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 surface is covered, mortar is left to dry superficially and excess of material is cut with the leveling board. After a shallow hardening, surface is moistened superficially and evened with a red sponge smoothing board. After a shallow hardening, surface is smoothed with a stainless steel grouter.

If you wish to further finish the surface, use ADEPLAST gypsum-based plasters.

If you wish to apply a layer of MTI G ENERGY plaster over a layer of already hardened and dry MTI G ENERGY plaster, it is mandatory to use ADEPLAST BETONKONTAKT to achieve an adherence bridge.

After complete drying, approx. 7 days/ cm depending on air temperature and humidity, surface can be further finished with ADEPLAST COLOR SYSTEM paints.

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.