

# hawo Glueing and Reinforcing MG III Compound grey

- **Compressive strength class CS IV nach DIN 998-1**
- **Manually and mechanically processable**
- **outside and inside**



## Productdescription:

hawo Glueing and Reinforcing Compound MG III grey (Klebe- und Armierungsmasse MG III grau /KAM MG grau III ) is a factory-produced, water-repellent mineral dry mortar GP standard render mortar; P III, nach DIN 18550 bzw. CS III Nnach DUIN 998-1.

## Application / Property:

hawo Glueing- and Reinforcing Compound MG III grey is suitable for bonding organic (e.g. polystyrene) and mineral insulation boards (e.g. mineral wool insulation boards) and for embedding hawo reinforcement fabric on insulation boards, especially for hawo external thermal insulation composite systems.

## Komposition:

Classified and dried carbonate or silicate natural sands, cement, hydrated lime and additives for better workability, adhesion and water repellency.

## Technical data:

Compressive strength class	CS IV according to DIN EN 998-1
Adhesive tensile strength	> 0,08 N/mm <sup>2</sup>
Compressive strength	approx. 10 N/mm <sup>2</sup>
Thermal conductivity $\lambda_{10, \text{dry, mat}}$ (table value according to DIN EN 1745)	approx. 0,061 W/(mK) for P= 50% approx. 0,66 W/(mK) for P=90%
Water absorption coefficient	W <sub>c2</sub>
Water vapor diffusion resistance factor	$\mu \leq 25$
Fire behavior	A2-S <sub>1</sub> , d0 (non-combustible)
Water requirement	approx. 5,5 - 6,5 l/bag
Yield	approx. 800 l/t
Color	grey

All data are characteristic values determined under laboratory conditions according to relevant test standards and application tests. Deviations due to practical use are possible.

## Substrate:

The substrate must be clean, dry, solid, load-bearing and free from efflorescence and film-forming release agents. The plaster base must be tested for load-bearing capacity. In the case of critical substrates, perform a tensile adhesion test. Remove loose plaster and/or paint residues. Roughen the entire surface of insulation boards with foam skin (mainly XPS boards) and sweep off.

## Handling:

hawo Glueing and Reinforcing Compound MG III grey can be applied with all commercially available plastering machines, continuous mixers or by hand. When working by hand, mix the contents of the bag with 5,5 - 6.5 litres of clean water and stir to a consistency suitable for processing without lumps. After a short swelling time, stir again and adjust by adding more water if necessary. Do not mix with other products.

Processing time mn ca. max.1 Hour

### Insulation board bonding:

The adhesive mortar is usually applied - depending on the Insulating system variant - using the bead-and-spot method or over the entire surface of the insulation boards. Alternatively, the adhesive and reinforcing compound can also be applied to the entire or partial surface of the substrate (observe the respective system approval!). Immediately after applying the adhesive, press the insulation boards together and press them firmly into the substrate. Ensure that the boards are laid flush and plumb to achieve a smooth, flat façade surface. Do not apply adhesive to the joints of the boards.

### Reinforcement / filling:

hawo Glueing and Reinforcing Compound MG III grey evenly onto the insulation boards and embed the hawo reinforcing fabric tightly and without folds. Overlap the fabric joints by approx. 10 cm. After embedding, cover the fabric fresh in fresh with the Adhesive and Reinforcement Mastic Grey over the entire surface. The fabric must be in the outer third of the reinforcement layer.

The application thickness of the entire reinforcement should be between 3,0 and 5,0 mm.

### Particularly note:

The freshly applied adhesive and reinforcing compound must be protected against rapid water removal by sun, wind, high temperatures as well as driving rain and frost by suitable measures (e.g. rain protection / shading). High humidity and low temperatures can significantly extend the setting time. Do not apply at air and building structure temperatures below +5 °C or above +30 °C and expected night frost. Clean tools immediately after use. Cover and mask vulnerable areas (glass, ceramics, wood, metal, etc.) before application. DIN EN 13914, DIN 18550 and DIN 18350, VOB Part C apply to plastering.

Glueing and Reinforcing Compound MG III Grey can be used in the plinth area. Furthermore, it can also be used for full-surface fabric filling on base plasters when producing thin-layer finishing plasters with a grain size of less than 2 mm (according to VOB Part C, less than 3 mm), on substrates of mixed masonry, on weather sides or for brushed and felted surfaces. See also the "Guidelines for the plastering of masonry and concrete".

### Drying time:

The drying time depends on the weather conditions (temperature / wind / relative humidity) and takes approx. 1 day/mm layer thickness. At +20 °C air and substrate temperature and 65 % relative humidity. In general, suitable protective measures (e.g. rain protection / shading) must be taken on the surfaces to be freshly treated in case of unfavourable weather conditions.

## Consumption:

for the gluing	4 kg/m <sup>2</sup>	(for a level surface)
filling the mesh reinforcement	4 – 5 kg/m <sup>2</sup>	(at 3-4 mm thickness)

The consumption figures are indicative values.  
Determine the exact quantity by means of a test order on the object.

## Packing size:

25 kg bag  
42 bag per pallet

**Cleaning of tools:**

Immediately after use with water. Cleaning machines with the help of hawo protective agents.

**Storage / transport:**

Dry and protected against moisture, storable for 9 months.  
No special protective measures are required during transport.

**Disposal:**

Only hand in bags that are emptied without trickling for recycling.  
Hardened material residues can be disposed of as construction waste or with household waste.

**Safety advice:**

The product is a hazardous substance. Information on classification and labeling can be found in the EC safety data sheet

The technical data sheet has been created on the basis of the latest state of the art. Due to the variety of substrates and object conditions, however, the user is not released from his obligation to check the material for its suitability for the intended purpose under the respective object conditions, professionally and in accordance with the tradesman's standards.

This Technical Data Sheet No. 500 loses its validity in the event of a new edition.