

Technical Information Sheet Article No. 1047

Joint Mortar MG

Factory-mixed, mineral, dry mortar used for the repair of facades with cementitious binders according to DIN EN 197 and DIN EN 459-1 as well as natural mineral aggregates according to DIN EN 13139

Range of use

Remmers Joint Mortar MG is used as a mortar for joints on facades, especially facades made of brick and natural stone masonry work. The mortar is applied by a suitable machine and is for joints approx. 10 to approx. 30 mm wide.

Property profile

Remmers Joint Mortar MG is a factory-mixed, dry mortar that is ready to use after mixing with water. It is carbonate as well as hydraulic setting. The mortar has high adhesion capacity in the fresh as well as the hardened state and its favourable ratio of tensile bending strength to compressive strength makes it less sensitive to cracks. Set Remmers Joint Mortar MG is not sensitive to moisture, is

water vapour permeable and resistant to weather and frost.

Substrate

A trial with a sample of the mortar should always be carried out first to see whether the colour, adhesion to the sides and the strength of the joint correspond to the requirements and to calculate how much mortar will be needed for the specific object, depending on joint width and size of the stone. The shade of colour that results after drying and setting depends on weather conditions and the working method selected, e.g. a joint that is smoothed while fresh will be lighter in colour than a joint that was smoothed later or roughened. Missing parts in joint areas must be filled first with a suitable mortar. Joints should be prepared so that

there is a mean depth of 2 cm (depending on joint width) for the mortar to be applied.

After preparing the joints mechanically, clean thoroughly to remove dust and loose material and then pre-wet.

Directions

30 kg of dry mortar are mixed homogeneously with approx. 5.7 litres of water for approx. 2 minutes (using e.g. a BEBA double shaft mixer). Avoid entraining excessive amounts of air into the mortar. The fresh mortar is brought into the joints with a delivery pump (e.g. Desoi SP 10 F or SP-Y; length of hose max. 20 m, diameter 25 mm, nozzle tip 6-12 mm). The surface should be levelled at the proper time, using e.g. a piece of hose, but do not "iron".



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Characteristic data of the product

Quality control	For composition and quality
Bulk density:	approx. 1.6 kg/dm ³
Max. grain size:	approx. 1 mm
Colour:	grey
Tensile bending strength (7 days):	approx. 1.5 N/mm ²
Compressive strength (7 days):	approx. 6.0 N/mm ²
Tensile bending strength (28 days):	approx. 2.4 N/mm ²
Compressive strength (28 days):	approx. 8.0 N/mm ² (EN 998-2/M 5)
E-Modulus (28 days):	approx. 9500 N/mm ²
Water vapour diffusion resistance coefficient:	approx. 15

Working time: approx. 2 hours
 Working temperature: not under +5 °C or above +30 °C.
 The fresh joints should be protected for **at least** 1 day from rain and frost. Cover with plastic sheets if necessary.

Notes

Technical notes: The usual rules and standards of the trade apply, particularly DIN 1053. Porous facades can be impregnated with a Remmers impregnation system.

Attention:

- Do not apply to facades that are moist from behind in order to prevent discoloration and efflorescence.
- Different batch numbers may produce slightly deviating shades of colour
- For continuous surfaces, use only the same batch number the same day. Otherwise, mix batches.

Tools, cleaning

Mortar mixer (positive mixer), mixing tool, delivery pump, trowel, jointing iron, piece of hose or similar tool.
 Clean tools and equipment with water while the mortar is still fresh.

Packaging, application rate, shelf-life

Packaging:

30 kg paper bags

Application rate:

For brick approx. 4-5 kg/m², for natural stone masonry work approx. 6-8 kg/m²

Shelf-life:

Approx. 12 months stored dry and protected from moisture on wooden grids in closed bags.

Safety, ecology, disposal

This product contains lime and cement and reacts alkaline with water/moisture. Skin and eyes should be protected accordingly. Low in chromates according to TRGS 613.

For Further information on safety when transporting, storing and handling as well as disposal and ecology is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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