

Filler mixture for creating artificial resin mortar, 0 - 3.5 mm

Characteristics

HADALAN® FGM035 57M is a special quartz sand mix with a high packing density (compacted density). The particle distribution enables the production of easily-workable epoxy resin mortars with a high compression strength even with high coating thicknesses.

With mortars produced with **HADALAN® FGM035 57M** you can use more filler and work them more easily than mortars with standard quartz sand mixes. It is easier to clean the trowel or smoother while working the mortar. The mortar does not separate and remains well mixed.

- Easy mixing
- Easy working in combination with system resins
- Low levels of binder needed
- Dust reduced
- Permeable to water
- Homogeneous mixes; the resin does not run

Use

HADALAN® FGM035 57M enables the production of easily-workable levelling coatings and epoxy resin screeds for indoor and outdoor use.

Applications:

- Indoors and outdoors
- Balconies, patios, gangways and walkways
- Levelling coatings

Specifications

Packaging	Paper bag
Quantity	25 kg
Delivery Form	40 bags/Pallet
Colour / shade	sand

Strengths when used with HADALAN® MBH 12E or HADALAN® EG145 13E after 7 days

10 % MR 1:10 parts resin : filler	50 N/mm ²
5 % MR 1:20 parts resin : filler	30 N/mm ²
4 % MR 1:25 parts resin : filler	22.5 N/mm ²

Strengths when used with HADALAN® EPUni 12E after 7 days

10 % MR 1:10 parts resin : filler	40 N/mm ²
5 % MR 1:20 parts resin : filler	24 N/mm ²
4 % MR 1:25 parts resin : filler	18 N/mm ²

Strengths when used with HADALAN® EBG 13E after 7 days

5 % MR 1:20 parts resin : filler	15 N/mm ²
4 % MR 1:25 parts resin : filler	12.5 N/mm ²

Bulk Density	1.6 kg/l
Storage	dry, 24 months

Quantity required

Quantity required per litre of mortar

with 5 % binder per l	1.67 kg - FGM035
Fresh mortar density 1.75 kg/l	57M and 0.08 kg resin

with 10 % binder per l	1.73 kg - FGM035
Fresh mortar density 1.90 kg/l	57M and 0.17 kg resin

Preparation of the surface

The substrates must be firm, bondable, free of frost, dust, dirt and other loose particles. Any rising damp or residual moisture must not exceed 4 %.

Non-bondable surfaces must be prepared by milling, sandblasting or similar. The tensile bond strength must not be lower than 1.5 N/mm², especially if the top surface is to be put under a high mechanical load.

Application

1. As a primer, the relevant resin is mixed and applied on the substrate. The mortar is applied on the fresh primer coat and compacted. If this is not possible, then the primer coat must be sprinkled with **Quartz051 57M**. The sand which remains on the surface must then be swept off. **HADALAN® EBG 13E** however can only be applied "fresh on fresh": it is not possible to sprinkle with sand.
2. Mix **HADALAN® MBH 12E** or **-EBG 13E** with a slow-running power drill, re-pot and briefly stir through again. Then add **HADALAN® FGM035 57M** at the desired (correct) mixing ratio and mix in well with a sturdy rotary stirrer and a large basket-type stirrer. The mixing process is complete when the filler and the epoxy resin are homogeneously blended together. Checking with a trowel during the process will help to determine this.
3. Epoxy resins react exothermically. Therefore you should use the mix quickly. The working time depends on the particular mixing ratio and the ambient temperatures. Depending on the conditions you have a working time of 20 to 45 minutes available to you.
4. After using **HADALAN® MBH 12E** tools can be cleaned (when still wet) with **HADALAN® EPV 38L** and after using **HADALAN® EBG 13E** (when still wet) with water. When they have dried off they can only be cleaned mechanically.

hahne system products

HADALAN® MBH12E
HADALAN® EBG 13E
HADALAN® EPV 38L

Important notes

- Epoxy resins react exothermically. High temperatures accelerate the setting process, low temperatures slow it down.
- Only use complete bags, because if you only use parts of a bag the material can separate (become unmixed).
- When using screeds with a separation layer or an insulation layer please ask for assistance from our Technical Applications department (hahne Anwendungstechnik).
- The quantity of primer needed can vary considerably depending on the substrate and on the roughness of the surface.
- An additional pore-closing scratch coat must be carried out for subsequent coating systems.
- The minimum thickness of the mortar is twice the grain size.

Ingredients

Mineral fillers

Safety provisions/recommendations

Please observe the standard hygiene and safety measures which apply when handling chemical products. Suitable protective clothing must be worn.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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