



HADALAN® FGM035 57M

Filler mixture for manufacturing synthetic resin mortar, 0 – 3.5 mm



These pictograms apply to the **basic product**.
Deviations are possible depending on the area of application and processing.

PRODUCT INFORMATION

Description

HADALAN® FGM035 57M is a special quartz sand mixture with a high packing density. This grading curve enables the production of easily workable epoxy resin mortars, even in high layer thicknesses with good compressive strength. Mortars produced with HADALAN® FGM035 57M can be filled to a higher level and are easier to process than mortars produced with conventional quartz sand mixtures. It is easier to clean the trowel and smoothing trowel during processing. The mortar does not segregate.

Application

- for producing easy-to-apply levelling fillers and epoxy resin screeds indoors and outdoors

Operational area

- indoor and outdoor areas
- Balconies, terraces, arcades
- Levelling coats

Properties

- easy to mix in
- easy to apply in combination with system resins
- low binder requirement
- low dust
- permeable to water
- homogeneous mixtures, the resin does not run off

Technical Data

Available container sizes	25 kg/sack
Shade/color tones	sand
Bulk density	approx. 1,6 kg/l
Storage	dry, 24 months
Consumption	depending on application



SUBSTRATE

Properties/tests

- The substrate must be firm, stable, free of frost, dust, dirt and other loose particles.
- Rising damp and residual moisture above 4 % must be excluded.
- The adhesive tensile strength should not be less than 1.5 N/mm², especially if the surface covering is expected to be subjected to high mechanical loads.

AREAS OF APPLICATION AND PROCESSING

Applying

- The respective resin is mixed as a primer and applied to the substrate. The mortar is applied to the fresh primer layer and compacted. If this is not possible, the primer layer is sprinkled with Quartz051 57M. After hardening, the sand that has not been incorporated must be swept away. With HADALAN EBG 13E only a “fresh in fresh” working method is possible. Scattering is not possible.
- Mix HADALAN MBH 12E or EBG 13E with a slow-running drill, repot and stir again briefly. Then add HADALAN FGM035 57M in the desired mixing ratio and mix with a powerful stirrer and large basket stirrer. The mixing process is only complete when the filler and the epoxy resin are homogeneously mixed together. Intermediate testing with a trowel helps to determine this point in time.

Strengths in combination with HADALAN MBH 12E or HADALAN EG145 13E after 7 days

10 % MV 1:10 GT resin:filler: 50 N/mm²

5 % MV 1:20 GT resin:filler: 30 N/mm²

4 % MV 1:25 GT resin:filler: 22.5 N/mm²

Strengths in combination with HADALAN EBG 13E after 7 days

5 % MV 1:20 GT resin:filler: 15 N/mm²

4 % MV 1:25 GT resin:filler: 12.5 N/mm²

- Epoxy resins react exothermically. The mixed compounds should therefore be processed quickly. The processing time depends on the respective mixing ratio and the ambient temperatures. Depending on the conditions, a working time of 20 to 45 minutes is available.

NOTES

Cleaning

- When fresh, the tools can be cleaned with HADALAN® MBH 12E using HADALAN® EPV 38L and with HADALAN® EBG 13E using water. In dry condition only mechanically.

System products

- HADALAN® MBH 12E
- HADALAN® EBG 12E
- HADALAN® EPV 38L

To be observed

- High temperatures accelerate, low temperatures delay the solidification and curing process.
- Always use whole bags, as the material can segregate when partially removed.
- For screeds on a separating layer or insulation, request advice from hahne application technology.
- The quantity of primer may vary greatly depending on the substrate and roughness.
- For subsequent coating systems, a pore-closing scratch coat must also be applied.
- The minimum thickness of the mortar is double the grain thickness.

Ingredients

- Mineral fillers

Occupational safety / Recommendation

- Further information on safety during transportation, storage and handling can be found in the current safety data sheets.



■ Disposal

- The following applies to all systems: Only return empty containers to recycling partner Interseroh. Material residues can be disposed of according to EWC code no. 17 09 04 (mixed construction and demolition waste with the exception of those falling under 17 09 01, 17 09 02 and 17 09 03).

■ Producer

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The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.