



HADALAN® FGM003 57M

Filler mixture for manufacturing synthetic resin self-levelling compound, 0 – 0.3 mm



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

PRODUCT INFORMATION

Description

HADALAN® FGM003 57M is a special combination of raw materials with a high packing density (grain size 0 – 0.3 mm). This combination enables good flow properties and high mechanical load-bearing capacity in conjunction with matching epoxy resins.

Application

- for the production of flowable surface roughness levellers, economical, high-quality primers and levelling compounds in combination with hahne epoxy resins
- particularly suitable in combination with HADALAN EBG 13E for the production of diffusion-open scratch and levelling coats

Operational area

- Concrete and screed surfaces
- Industrial floors
- Balconies, terraces, arcades

Place of use

- for interior and exterior use

Properties

- easy to mix in
- enables good flow behavior
- high mechanical load-bearing capacity
- low binder requirement
- low dust



Technical Data

Available container sizes	20 kg/sack
Shade/color tones	grey, white
bulk density	approx. 1.54 kg/dm ³
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.
- The residual moisture content depends on the resin system used.

AREAS OF APPLICATION AND PROCESSING

Applying

- Processing with **HADALAN EBG 13E**:

For the production of water vapor permeable levelling compounds, HADALAN FGM003 57M is added to the mixed HADALAN EBG 13E in the following mixing ratios and homogeneously mixed in:

Scratch filler for layer thicknesses of 1 – 3 mm: 8.5 kg binder + 20 kg FGM003 57M

Leveling compound for layer thicknesses of 3 – 8 mm: 8.5 kg binder + 40 kg FGM003 57M

Self-compacting filling compound: 8.5 kg binder + 60 kg FGM003 57M

The viscosity of the compounds can be adjusted depending on the temperature and substrate by adding a maximum of 5 % water to HADALAN EBG 13E.

- Processing with **HADALAN EPUni 12E** or **HADALAN EG145 13E**

Stir the material, repot and stir again briefly. Then add HADALAN FGM003 57M in the desired mixing ratio. Reference values:

MV 1 : 1 to 1 : 2 GT for the production of pore-closing primers

MV 1 : 3 GT for roughness depth compensation up to 2 mm

MV 1 : 4 GT for roughness depth compensation up to 5 mm

MV 1 : 5 GT for roughness depth compensation > 5 mm

- The compounds can be applied and spread using a roller (only for mixing ratios 1 : 1 to 1 : 2), rubber squeegee or trowel. For mixing ratios > 1 : 3, priming must be carried out with the epoxy resin used in an unfilled setting.
- 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.
- The leveling compound is poured evenly onto the substrate and ideally spread using the 56 cm squeegee and the toothed strip. After 10 to 15 minutes, the compound is deaerated with a spiked roller.

NOTES

Cleaning

- Clean tools immediately after use with HADALAN EPV 38L.
- Hardened material can only be removed mechanically.

System products

- HADALAN® EPUni 12E
- HADALAN® EG145 13E
- HADALAN® VS 12E
- HADALAN® EPV 38L
- HADALAN® EBG 12E
- HADALAN® MBH 12E
- HADALAN®GVS 12E



To be observed

- Epoxy resins react exothermically. High temperatures accelerate, low temperatures delay the setting process.
- HADALAN EG145 13E should be used if moisture penetration from the rear is to be ruled out.
- The substrate temperature must be at least 3 °C above the dew point temperature during application and curing.
- The maximum filling level and the curing times depend on the layer thickness and the epoxy resin used.
- Optically related areas must be prepared with material from the same production batch to prevent colour differences.

Ingredients

- Mineral fillers
- Additives

Occupational safety / Recommendation

- The usual hygiene and precautionary measures when handling chemical products must be observed. Wear suitable protective clothing. 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.