

Quick construction resin for priming



Characteristics

HADALAN® SBH 13E is a fast epoxy resin. Adheres very well to almost all dry and clean substrates. The material is noted for its good chemical resistance to water, salt solutions, petrol, oils, greases and many other chemicals as well as its mechanical strength.

HADALAN® SBH 13E can be used filled or pure as a primer, scratch filler, roughness depth leveller and EP mortar on mineral substrates.

- Solvent-free
- osmosis resistant
- transparent
- easy to process
- very good adhesion
- abrasion-resistant
- VOC-free

Use

HADALAN® SBH 13E as a primer, scratch filler and roughness depth compensation for subsequent coating systems, coatings and waterproofing as well as for the production of epoxy resin mortar, in combination with the filler mixture **HADALAN® FGM012 57M** on mineral substrates, such as concrete, screed, fixed tile coverings, etc. Pores in the substrate are closed by flooding application of the primer. As adhesive and injection for building materials such as concrete, stone, steel, wood, fibre cement, tiles etc.

Application areas:

- Interior and exterior areas
- substrate preparation
- force-fit pressing
- coatings, sealings, coves
- bonding bridges

Specifications

Packaging	combo pack
combi-container	7 kg
comp. A, resin	5 kg
comp. B, hardener	2 kg
delivery form	42 cont./pallet
density, ready to use	1.09 kg/l
processing temperature	+5 °C to +30 °C
Processing time ¹⁾	15 to 20 minutes
recoatable ¹⁾	after approx. 3.5 hours
fully loadable ¹⁾	after 5 days
compressive strengths in MV 1:10	
with HADALAN® FGM012 57M	approx. 110 N/mm
Bending tensile strength in MV 1:10	
with HADALAN® FGM012 57M	> 38 N/mm
Shore D hardness	80
Storage	frost-free and cool, 12 months

Quantity required

For adhesion bridges	0.3 - 0.6 kg/m ²
As primer	0.2 - 0.4 kg/m ²

¹⁾ At +20 °C and 60% relative air humidity.

Preparation of the surface

The substrate must be firm, dry, clean, free from dust, absorbent, resilient, and free from release agents, corrosive components or other layers interfering with bonding. The substrate must be fundamentally suitable for the coating system. The surface tensile strength must not be less than 1.5 N/mm². The moisture content of the near-surface zone (approx. 3.5 cm) must not exceed the equilibrium moisture content of the building materials.

Concrete and cement screed: < 4.0 CM%

Anhydrite screeds: < 0.5 CM%.

The substrate must be protected from rising and penetrating moisture. The compressive strength of the substrate should be at least 25 N/mm².

Prepare the floor surface through e.g. dust-free shot blasting, diamond grinding, milling or other suitable measures. The grain skeleton must be exposed and all burning substances and loose components must be rigorously removed. As a rule, substrates into whose surface agents (e.g. wax) have been incorporated for smoothing must be removed by milling and subsequent shot-blasting. Check the compatibility with existing coatings; completely remove layers and coatings without load-bearing capacity. Screeds containing asphalt are difficult substrates due to their formability under mechanical and thermal load. For this reason, they can only be coated with special systems. Please contact our technical service section.

If tile coverings are stuck, the surface must be removed by diamond grinding or milling. Completely remove the glaze. The two components are supplied in special containers with the correct ratio to one another.

Application

1. Put the entire hardener component in the resin component. Mix the components homogeneously using a slow-running stirrer (approx. 400 rpm) with stirring paddle. Mix for at least 1 minute. The small amount of mixed parts that stick to the walls of the container, the bottom and the stirrer should be scraped off and put into the mixture. Then, the material is moved into a clean mixing vessel and once again, briefly mixed thoroughly.
2. After mixing, apply **HADALAN® SBH 13E** to the substrate to be primed using a rubber squeegee or roller to form a full film. If necessary, apply a 2-layer primer. Alternatively, **HADALAN® SBH 13E** can be filled with **HADALAN® FMG003 57M** as scratch filling or roughness depth compensation.
3. Any additional build-up can be carried out at the earliest after 3.5 hours, but at the latest 24 hours after application of the primer. If this is not possible, sprinkle the surface with suitable quartz sand.
4. The following layer structures can be found in the respective technical data sheets.
5. Work equipment can be cleaned when fresh with **HADALAN® EPV 38L**. After the drying is complete, cleaning is only possible mechanically. By adding **HADALAN® FGM012 57M**, highly filled, liquid-tight fillers and reaction resin mortars can be produced. Please refer to the data sheet for further details.

hahne system products

HADALAN® FGM003 57M

HADALAN® FGM012 57M

HADALAN® EPV 38L

HADALAN® DQ0308 89M

Important notes

- Maintain the processing temperature of +8 °C to +30 °C.
- Low temperatures delay and high temperatures accelerate the progress of the bonding.
- Always adhere to coating intervals for multi-layer coatings.
- Immediately process the stirred material. Material cross-links faster in the container (exothermal reaction). Poured material can be worked for a longer time.
- Inappropriate, non-porous priming can lead to detachment or partial blistering of subsequent coatings made of non-osmosis-resistant reaction resins or elastic seals from the balcony protection system.
- Temperatures during processing/curing 3 °C above dew point.

Ingredients

Epoxy resin/ hardener, bonding agent

Safety provisions/recommendations

Information regarding the safety during transport, storage and handling are included in the updated safety data sheets.

Detailed instructions can be obtained from the code of practice "Epoxy resins in the building industry". Published by the Arbeitsgemeinschaft der Bau-Berufsgenossenschaften (study group of the professional construction guilds). Tiefbau-Berufsgenossenschaft (underground construction guild), Industrieverband Klebstoffe e.V. (industrial association for adhesives), Bauchemie und Holzschutz e.V. (constructional chemistry and wood protection) in Frankfurt.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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This information is based on extensive tests and practical experience. However, it cannot be applied to every type of application. If in doubt, we recommend that you test the product before using it. Due to continuous product improvement, this information is subject to change without notice. Our General Terms and Conditions apply.
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