

## Primer, levelling and protective coating, coloured

### Characteristics

**HADALAN® GVS 12E** is an efficient, coloured epoxy resin primer, levelling and protective coat for levelling compounds with excellent levelling properties and good adhesion to mineral substrates. The hardened coating has good resistance to many acids, alkalis, solvents, oils and greases.

- Fast, rational system
- Good mechanical resistance
- Good resistance to chemicals
- Low consumption
- Good levelling properties
- Wide variety of colours

### Use

**HADALAN® GVS 12E** for coating floor surfaces on concrete and screed surfaces subjected to high mechanical and chemical stress. Add the filler combination **HADALAN® FGM003 57M** in white to produce scratch fillers and self-levelling coloured levelling compounds.

As slip-resistant lining by scattering or mixing with the corresponding additives.

### Application areas:

- Commercial and industrial areas
- Workshops
- Storage buildings
- Multi-storey car parks
- Underground car parks

### Specifications

Packaging	Metal bucket
Combination container	24 kg / 9 kg
Component A, resin	16 kg / 6 kg
Component B, hardener	8 kg / 3 kg
Ratio of ingredients	2 parts by weight comp. A
Delivery form	1 part by weight comp. B 8 / 42 containers/pallet
Colour	Stone grey Pebble grey Special colours on request
Density incl.	
<b>HADALAN® FGM003 57M</b>	1.80 kg/l
Processing temperature	+8 °C to +25 °C
Processing time <sup>1)</sup>	20 - 30 Min.
Reworkable and can be walked on <sup>1)</sup>	after approx. 24 hrs.
Ultimate strength	after approx. 7 days
Adhesive strength	> 2.5 N/mm <sup>2</sup>
Concrete floor	
Shore D hardness	81
Storage	Frost-free and cool, 12 months

### Quantity required

Levelling coating	
In the mixing ratio 1:2.22 GT	
<b>HADALAN® GVS 12E</b>	0.55 kg/m <sup>2</sup> /mm coat thickness
<b>HADALAN® FGM003 57M</b>	1.24 kg/m <sup>2</sup> /mm coat thickness

<sup>1)</sup> At +20 °C and 60% relative air

## Preparation of the surface

The substrate must be solid, dry, clean, dust-free, absorbent, load-bearing and free of separating agents, corrosion-promoting components or other layers that interfere with the bond. In principle, the substrate must be suitable for the coating system. The surface tensile strength must not be less than 1.5 N/mm<sup>2</sup>. The maximum substrate moisture content for cementitious substrates is < 4.0 CM%, anhydrite screeds: < 0.5 CM%.

The compressive strength of the substrate must be at least 25 N/mm<sup>2</sup>.

The substrate must be protected from rising and penetrating moisture. Prepare the floor surface through e.g. dust-free shot blasting, diamond grinding, milling or other suitable measures. The grain structure must be exposed and all separating substances and loose components must be consistently removed.

Substrates in whose surface auxiliaries (waxes) for smoothing have been worked in must always be removed by milling and subsequent shot blasting. Compatibility with old coatings must be checked; non-load-bearing layers and coatings must be completely removed. Asphalt-containing screeds are difficult substrates due to their deformability under mechanical and thermal stress. They can therefore only be coated with special systems. Please contact our technical service.

In the case of existing fixed tile coverings, the surface must be removed by diamond grinding or milling. Completely remove the glaze.

All substrate preparations must be carried out by suitable specialist companies.

To prime the load-bearing substrate, use **HADALAN® GVS 12E** or **HADALAN® Pripior 12E**. In the event of any existing roughness depths, perform scratch filling or roughness depth compensation. Expansion joints are to be incorporated into the surface covering; reworking is not permitted. Depending on the colour of the levelling coating and high-contrast substrates, we recommend that the substrate is prepared in the same colour tone by means of roughness depth compensation.

## Application

Up to 2 % **HADALAN® EPV 38L** can be added to adjust the flow properties in the lower temperature range. Alternatively, the amount of **HADALAN® FGM003 57M** can be reduced by up to 30 %.

1. First stir the resin component and add the hardener component completely to the resin component. Mix the components homogeneously with a slow-running agitator (approx. 400 rpm with agitator paddle). The mixing time is 2 minutes. Make sure that no excessive air is stirred into the material. After homogeneous mixing, pot the material in a clean container, add **HADALAN® FGM003 57M** in white and mix again.
2. Then quickly distribute the mixed levelling compound on the substrate in an even layer using a blade or smoothing trowel.
3. Finally, deaerate the material with the spiked roller rolled crosswise.

## hahne system products

HADALAN® Pripior 12E  
HADALAN® FGM003 57M  
Quatz0105 57M  
HADALAN® Topcoat M 12P  
HADALAN® Topcoat G 32P  
INTRASIT® DSM 54Z

## Important notes

- Maintain the processing temperature of +8 °C to +25 °C.
- Comply with the coating intervals.
- High temperatures accelerate and low temperatures delay the progress of hardening.
- The substrate temperature must be at least 3 °C above the dew point temperature.
- Epoxy resins are not permanently colour stable.
- Pour the material out of the container immediately after mixing.
- Only use materials from one batch.
- Colour deviations do not constitute a defect in contiguous surfaces.
- With manually installable coating systems, traces of installation can remain visible due to processing. This applies in particular to sidelight or larger contiguous areas; if necessary, make a sample surface.
- To maintain the surface quality of the coating, the use of care products and regular cleaning of the floors are recommended, (see care instructions, **HADALAN®** epoxy resin linings).
- Abrasive loads lead to whitening on the surface. For reduction we recommend sealing the surface afterwards with a topcoat.

# HADALAN® GVS 12E



## Ingredients

Epoxy resin, functionally filling materials, pigments, auxiliaries

## Safety provisions/recommendations

Please refer to the safety datasheets for more detailed, up-to-date information about shipping, storage and handling.

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

### Sievert Baustoffe GmbH & Co. KG

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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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