

## Epoxy primer for absorbent mineral substrates and ceramics

### Characteristics

**HADALAN® V31 13E** is a transparent, water-dilutable primer on an epoxy resin base.

As a protective coat, it has good resistance to oil, grease, petrol, diesel and aqueous salt solutions.

- Solvent-free
- Water-dilutable
- Consolidating
- Transparent
- Good resistance
- Fast-reacting

### Use

**HADALAN® V31 13E** as sealing and priming for all absorbent, mineral substrates.

As a bonding agent for the subsequent epoxy resin coats.

### Areas of application:

- Absorbent mineral substrates
- Ceramic linings
- Primer coating in the system

### Specifications

Packaging	Tin bucket
Combination barrels	4 kg
Component A	3 kg
Component B	1 kg
Delivery form	56 barrels/pallet
Colour shade	transparent
Processing temperature	+5 °C to +35 °C
Processing time <sup>1)</sup>	approx. 60 minutes
Optimum coating interval	between 1.5 and 24 hours
Walkable <sup>1)</sup>	after approx. 3 hours
Capable of being mechanically fully loaded	after 3 days
Capable of being chemically fully loaded	after 5 days
Surface tensile strength	> 1.5 N/mm <sup>2</sup>
Abrasion loss <sup>2)</sup>	0.031 g
Storage	frost-free, 12 months

### Quantity required

Primer	0.1 to 0.2 kg/m <sup>2</sup>
Top coat	0.2 to 0.3 kg/m <sup>2</sup>

<sup>1)</sup> At +20 °C and 60 % relative atmospheric humidity.

<sup>2)</sup> N. Taber: Roll CS 10/1000 U/ 1000 g

## 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 generally suitable for the coating system. The adhesive tensile strength of the surfaces should not fall short of 1.5 N/mm<sup>2</sup>. The substrate moisture of cement substrates should not fall short of < 4.0 parts by weight, anhydrite screeds: < 0-5 part by weight.

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

The substrate must be protected from increasing and penetrating moisture. The floor surface has to be prepared by e.g. dust-free shot-blasting, diamond grinding, grinding or other suitable measures. The granular structure must be laid open and all separating substances and loose components must be removed consequently.

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. Thus, they may be coated with special systems only. Please contact our technical service department.

Remove the surface of existing tiling being stuck by diamond grinding or milling. The glaze must be removed completely.

All substrate preparations have to be carried out by suitable specialist firms.

## Application

1. Mix component A and component B homogeneously with one another.

### Mixing ratio:

3 parts by weight of component A : 1 part by weight

2. Then, dilute the mass with water in a neutral barrel and once again mix thoroughly.

### Mixing ratio:

As bonding agent and primer: 1 : 1 part by weight.

As a protective paint, pore closer and under epoxy resin dispersion coatings (**HADALAN® LF 41 12E/ HADALAN® EBG 13E/ HADALAN® FGM003 57M**), only 25% by weight of water is added.

3. The coat is applied with a brush, rubber wiper or roller. To achieve uniform surfaces, the coating is applied with a suitable short-fibre roller for epoxy resins. The coat is applied cross-wise.

4. Clean all processing equipment with water immediately after use.

## hahne system products

HADALAN® EBG 13E  
HADALAN® LF41 12E  
HADALAN® LF51 12E

## Important notes

- Maintain the processing temperature of +5 °C to +35 °C.
- High temperatures accelerate, low temperatures delay the hardening process.
- High atmospheric humidity as well as increased substrate wetness delay the hardening process.
- Ensure good drying conditions in the interior.
- Irregular material coatings and/or bad ventilation during the drying phase can result in differences in the colour shade and gloss.
- The substrate temperature must be at least 3 °C above the dew point temperature.

## Ingredients

Epoxy resin dispersion

## 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 of adhesives), and Holzschutzmittel e.V. (association of wood protection agents) in Frankfurt.

## Disposal

The local waste removal regulations must be observed.

## Manufacturer

### Sievert Baustoffe GmbH & Co. KG

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