

Armouring fabric for repairing substrates with cracks

Characteristics

HADALAN® PZG 9ZH is an alkali-resistant and multi-axial glass fibre tissue for renovating old substrates that are no longer stable. For bridging cracks in concrete floors and cement screeds, with a crack width of < 1 mm. Saves the expensive disposition of old floors and the costly crack renovation of minor settlement and shrinkage cracks. In conjunction with **HADALAN® EBG 13E** and **HADALAN® EG145 13E** as well as the special **HADALAN® FGM003 57M** filler combination, quick and high-strength industry floor renovations can be carried out.

- Alkali-resistant
- Self-laying
- Can be cut with a hook knife
- Easy to process
- As system component in the **HADALAN® FloorRepair** system
- Low-stress
- Quick and easy to apply
- Layer thickness above 3 mm
- High crack-bridging
- High flexibility
- High mechanical strength
- High bending tensile strength
- Resilient after a short time
- Cost-efficient and time-saving

Use

HADALAN® PZG 9ZH is used in conjunction with **HADALAN® EBG 13E** and **HADALAN® EG145 13E** for renovating old substrates. The system allows renovating scruffy substrates that either would have to be completely removed in a time and cost consuming way or where cracks would have to be renovated at high costs. It allows cost-efficient and time-saving renovation works.

Application areas:

- On substrates with adhesive tensile strength of > 0.5 N/mm²
- Renovation of industry floors with cracks of <1mm
- Renovation of multi-storey car parks
- Garage and cellar floor renovation
- On wooden substrates
- Can be applied indoors and outdoors
- On lightweight concrete and other critical substrates
- Renovation of old wearing surfaces and coatings

Specifications

Packaging	Reel of 25 m ² 1m wide / 25 m long
Delivery form	30 reels/pallet
Basis weight	530 g/m ²
Tensile strength in the alkali medium 28 days	111 N/mm ²
Residual tear strength	61 %
Storage	Unlimited

Quantity required

The quantities required of the levelling compound vary depending on construction site conditions.

HADALAN® PZG 9ZH 1.05 m²/m²

HADALAN® EBG 13E with HADALAN® FGM003 57M at a mixing ratio of 1 : 2.35

Primer per application 1/1 water diluted

Levelling compound 3 mm 150 g/m²
about 5.5 kg/m²
(proportionately 1.65 kg -**EBG 13E** and 4 kg -**FGM003 57M**)

Preparation of the surface

Clean the substrate to be renovated. Remove all fats, residues of old adhesive and other separating dirt. Then vacuum-clean the surface thoroughly.

Edge insulating strips (10 mm) must absolutely be installed. Cracks bigger than 1mm must be functionally connected. Holes, recesses and irregularities have to be closed beforehand. Depending on the substrate, we recommend renovating with **HADALAN® EBG 13E** and **HADALAN® FGM003 57M** or a mix with **HADALAN® FGM012 57M**.

Prime the given surface with **HADALAN® EBG 13E** (permitting diffusion) or **HADALAN® EG145 13E** (not permitting diffusion). Highly absorbent substrates or substrates that must be protected from rising damp are primed twice. Once the surface can be walked on, **HADALAN® PZG 9ZH** is laid on the surface and cut.

Application

Lay **HADALAN® PZG 9ZH** on the prepared primed substrate and cut. Execute joints with about 5cm overlap. The fresh primer serves as adhesive layer; the subsequent covering is applied into the fresh primer on the tissue.

Processing with bonding agent **HADALAN® EBG 13E** (solution permitting diffusion)

HADALAN® EBG 13E is mixed with **HADALAN® FGM003 57M** to render a levelling compound. Here we recommend a mixing ratio of 8.5 kg **HADALAN® EBG 13E** and 20 kg **HADALAN® FGM003 57M**. To improve levelling, 0.5 L of water can be added to the putty.

The floor levelling putty is evenly applied now using the serrated blade Spezial and ventilated with a spiked roller. Depending on the construction site conditions, the drying time is at least 4 h. Then further constructing can be executed. Depending on the construction site conditions, it cannot be excluded that the tissue will stand out / show through. To create an even, homogeneous layer, the surface is ground in between or another levelling coating is applied as specified above. With **HADALAN® EBG 13E**, coating intervals are of no importance.

Processing with bonding agent **HADALAN® EG 145 13E** (high stress / damp-tight execution)

HADALAN® EBG 13E is mixed with **HADALAN® FGM003 57M** to be a levelling compound. Here we recommend a mixing ratio of 8.7 kg **HADALAN® EG145 13E** and 20 kg **HADALAN® FGM003 57M**.

The floor levelling putty is now evenly applied with a maximum layer thickness of 3mm. Depending on the construction site conditions, the drying time is at least 4 h. Then e.g. coating with **HADALAN® VS 12E**, **HADALAN® VS-E 12E**, **HADALAN® MBH 12E** or any other covering is possible. Depending on the construction site conditions, it cannot be excluded that the tissue will stand out / show through. To create an even, homogeneous layer, the surface is ground in between or another levelling coating is applied as specified above. The coating compound must also be ground when the coating intervals cannot be observed. See the relevant codes of practice.

hahne system products

hahne® Bodenbeschichtungen

hahne® Balkonssysteme

Important notes

- Install the sheets with an overlap of about 5 cm.
- Please observe the system product data sheets

Ingredients

Woven glass fabric, acrylate

HADALAN® PZG 9ZH



Safety provisions/recommendations

No special steps required

Disposal

The local waste removal regulations must be observed.

Manufacturer

Sievert Baustoffe GmbH & Co. KG

Mühlenschweg 6, 49090 Osnabrück

Tel +49 2363 5663-0, Fax +49 2363 5663-90

hahne-bautenschutz.de, info-hahne@sievert.de

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