

HADALAN® PUR Floor-H 13P



Polyurethane levelling coating, coloured, hard



Characteristics

HADALAN® PUR Floor-H 13P is a solvent-free 2-component polyurethane resin. Thanks to the hard plastic setting and the highly abrasion-resistant surface, it offers strong protection against mechanical and chemical stress. The diffusion-tight surface protects against the harmful penetration of aggressive liquids and cleaning agents.

- Highly abrasion-resistant
- rapid strength development
- highly mechanically resilient
- very good chemical resistance
- liquid-tight
- self-levelling
- solvent-free
- permanently wet
- tested according to DIN EN 425 (Castor chair test)
- tested according to DVGW/BGR 181 (R9 - R11)

Use

HADALAN® PUR Floor-H 13P is used for the production of coloured levelling and textured coatings for high loads in industrial and commercial areas. It can be used indoors on cement-bonded floor surfaces. Non-slip coverings can be produced by bedding in appropriate additives.

- Indoor areas
- industry and commerce
- workspaces
- concrete and screed surfaces

Specifications

Packaging	metal bucket
combo pack	10 kg
component A, resin	6 kg
component B, hardener	4 kg
mixing ratio part by weight	6: 4
Delivery form	42 pack/pallet
Colour shade	according to colour chart
Density mixed	1.09 Kg/l
Density, incl.	
HADALAN® FGM003 57M	1.85 Kg/l
Working temperature	+8 °C to +25 °C
Working time ¹⁾	20 min
Can be reworked and walked on ¹⁾	After approx. 8 h after 7 days
Final strength	approx. 31 N/mm ²
Max. tensile strength	75
Shore D hardness	0.049 g
Abrasion according to Taber Store	frost-free and cool, 6 months

Quantity required

Levelling coating:

HADALAN® PUR Floor-H 13P²⁾	0.6 kg/m ²
HADALAN® FGM003 57M²⁾	1.20 kg/m ²

Textured coating:

HADALAN® PUR Floor-H 13P²⁾	0,6 kg/m ²
HADALAN® FGM003 57M²⁾	1.20 kg/m ²
HADALAN® TX 57DD²⁾	60-90 ml/m ² (corresponds to 33-50 ml/kg levelling coating)

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

²⁾ Per mm coat thickness

HADALAN® PUR Floor-H 13P

Preparation of the surface

The substrate must be dry, stable, free of separating agents and free of oils, greases and loose components. The adhesive tensile strength of the surfaces should not fall short of 1.5 N/mm². The compressive strength of the substrate must be at least 25 N/mm². The substrate moisture of cement substrates should not fall short of max. < 4.0 parts by weight, anhydrite screeds: < 0.5 % CM. Rising and penetrating moisture must be excluded. The substrate must be prepared in a load-bearing manner in accordance with BEB data sheets (e.g. by shot blasting, diamond grinding, milling or other suitable measures).

Before installing the coating, the substrate must be prepared pore-closed. Suitable system primers must be used (e.g. **HADALAN® Pripor 12E**). In the case of roughness depths and unevenness, a scratch filling or roughness depth compensation must be applied.

Application

Levelling coating:

1. Incorporate the hardener component completely into the resin component. Mix the components homogeneously with a slow-running stirring tool (approx. 400 rpm) with a stirring paddle. The mixing time is at least 2 minutes. Subsequently transfer the material into a clean mixing vessel, add the filler mixture **HADALAN® FGM003 57M** (white) and mix again.
2. Apply **HADALAN® PUR Floor-H 13P** quickly to the substrate with a suitable tool (hahne special serrated blade) in an even layer of 2.0 mm.
3. After approx. 10 minutes, ventilate the surface with a suitable tool (e.g. hahne spiked roller) crosswise by rolling slowly and without pressure.

Textured coating:

1. Incorporate the hardener component completely into the resin component. Mix the components homogeneously with a slow-running stirring tool (approx. 400 rpm) with a stirring paddle. The mixing time is at least 2 minutes. Subsequently transfer the material into a clean mixing vessel, add the filler mixture **HADALAN® FGM003 57M** (white) and mix again. Now add the **HADALAN® TX 57DD** set-up agent and mix again.
2. Apply **HADALAN® PUR Floor-H 13P** quickly to the substrate with a suitable tool (hahne special serrated blade) in an even layer of approx. 1.3 mm.
3. After approx. 10 minutes, structure the surface with a suitable tool (e.g. texture/pea-hole roller) by rolling slowly and without pressure.

For larger areas, please make sure that texturing does not start too late. If necessary, an additional person may be required, so that the texturing of the surface already begins during the application of the flow coating.

hahne system products

HADALAN® FGM003 57M
HADALAN® TX 57DD
HADALAN® Pripor 12E
HADALAN® MBH 12E
HADALAN® EPUni 12E

Important notes

- **HADALAN® PUR Floor-H 13P** is moisture-reactive. For that reason, these materials must be protected from humidity till they are completely hardened. The substrate to be coated must be dry.
- High temperatures accelerate and low temperatures delay the progress of hardening.
- Adhere to the coating intervals.
- The substrate temperature must be at least 3 °C above the dew point temperature.
- Colour changes/yellowing are possible under UV and weather influences and do not constitute an impairment.
- 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 glancing light or larger contiguous areas; if necessary, make a sample surface.
- Abrasive loads lead to whitening on the surface. For reduction we recommend sealing the surface afterwards with a topcoat.

Ingredients

Polyurethan, funktionelle Füllstoffe, Pigmente

Safety provisions/recommendations

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

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.
Version as of 12.2020