

Polyurethane levelling coating, coloured, elastic



Characteristics

HADALAN® PUR Floor- E 13P is a solvent-free 2-component polyurethane resin. Due to the elastic setting and the tough, hard surface, it offers damping and crack-bridging properties and protection against mechanical and chemical stress. The diffusion-tight surface protects against the harmful penetration of aggressive liquids and cleaning agents.

- Elastic
- tough
- rapid strength development
- mechanical and chemical resilient
- static crack-bridging
- liquid-tight
- self-levelling
- solvent-free
- improves impact sound damping
- tested according to DIN EN 425 (Castor chair test)
- tested according to DVGW/BGR 181 (R9 - R11)

Use

HADALAN® PUR Floor- E 13P is used for the production of coloured levelling and structural coatings for average loads in industrial and commercial areas. It can be used indoors on cement- and bitumen-bound floor surfaces. Thanks to its special surface properties, it is ideal for workspaces and areas with standing occupations. Non-slip coverings can be produced by bedding in appropriate additives.

- Indoor areas
- industry and commerce
- workrooms
- concrete, screed and mastic asphalt surfaces

Specifications

Packaging	metal bucket
Combo-pack	10 kg
component A, resin	6.7 kg
component B, hardener	3.3 kg
delivery form	42 packs/pallet
colour	shade according to colour card
density mixed	1.07 kg/l
density, incl.	1.70 kg/l
HADALAN® FGM003 57M	
mixing ratio part by weight	7 : 3,5
working temperature	+8 °C to +25 °C
working time ¹⁾	25 min.
recoatable and walkable ¹⁾	after approx. 8 h
final strength ¹⁾	after 7 days
max. tensile strength	13 N/mm ²
Shore A hardness	44
Taber abrasion	0.025 g
store	frost-free and cool, 6 months

Quantity required

Levelling coating

HADALAN® PUR Floor-E 13P²⁾ 0,60 kg/m²

HADALAN® FGM003 57M²⁾ 1,20 kg/m²

Textured coating

HADALAN® PUR Floor-E 13P²⁾ 0,60 kg/m²

HADALAN® FGM003 57M²⁾ 1,20 kg/m²

HADALAN® TX 57DD²⁾ 60 - 90 ml/m²

(corresponds to 33-50 ml/kg, levelling coating)

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

²⁾ Per mm coat thickness

Preparation of the surface

The substrate must be dry, stable, free of separating agents and free of oils, greases and loose components. The surface tensile strength must not be less than 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). Bitumen-bound substrates (e.g. mastic asphalt) are difficult to form under mechanical and thermal stress due to their deformability. They must have quality ICH 10 to ICH 15. Before installing the coating, the substrate must be prepared pore-closed. Suitable system primers must be used (e.g. **HADALAN® Pripior 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- E 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.

Textural 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. Now add the **HADALAN® TX 57DD** set-up agent and mix again.
2. Apply **HADALAN® PUR Floor- E** 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® Pripior 12E
HADALAN® MBH 12E
HADALAN® EPUni 12E

Important notes

- **HADALAN® PUR Floor- E 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 applicable, make a sample surface).

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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HADALAN® PUR Floor-E 13P



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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