HADALAN® Pripor 12E

Primer and protective layer, thixotropic, pore-covering

Characteristics

HADALAN® Pripor 12E is a solvent-free thixotropic epoxy resin coating and due to its functional fillers is ideal as a pore-covering primer before making floor coatings and as a chemical-resistant protective coating on horizontal and vertical surfaces. The material has a red control colouring, is VOC-free, adhesive with very good adhesion on dry and slightly moist mineral substrates. The cured film is highly abrasion-resistant and resistant to many acids, alkalis and solvents.

- hahne disc technology
- Thixotropic setting
- Resistant to osmosis
- Good adhesion to substrates with increased residual moisture
- Good chemical resistance
- High mechanical strength
- Red control colour
- VOC- and plasticizer-free

Use

HADALAN® Pripor 12E serves as a pore-covering primer for EP and PU levelling compounds. With its special composition, the material prevents air from rising from the substrate and thus enables a pore- and bubble-free flow coating. **HADALAN® Pripor 12E** is also used as a chemical-resistant and abrasion-resistant protective coating on mineral floor and wall surfaces.

Application areas:

- Industrial and commercial surfaces
- Concrete and screed surfaces
- Areas subject to chemical stress
- Adhesive and pore-filling primer
- As a protective coating for wall and floor surfaces
- Pore closure for EP screeds

Specifications

Packaging	Metal bucket
Combo container	8.5 kg
Component A, resin	6.0 kg
Component B, hardener	
Delivery form	2.5 kg
Density, ready for processing	
Mixing ratio	42 containers/pallet1.10 kg/l
	6 parts by weight comp. A
Processing temperature	2.5 parts by weight comp. B
Processing time[1)]	+8 °C to +25 °C
Reworkable and can be walked on	20 - 30 min.
Ultimate strength	After approx. 8 hrs.
Adhesive strength on matt-moist concrete substrate	After approx. 5 days
Tensile strength	> 3.0 N/mm²
Elongation at rupture	
Shore D hardness	34 N/mm² / 28d
Storage	3.0 % / 28d
	81
	Frost-free and cool, 12 months

Quantity required

Primer/protective coating	approx. 0.25 kg/m²
pore closure	approx. 0.5 kg/m²

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

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Preparation of the surface

The substrate must be solid, 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/mm². The moisture content of the near-surface zone (approx. 3.0 cm) must not exceed the equilibrium moisture content of the building materials.
Concrete and cement screed: < 6 CM%
Anhydrite screeds: < 0.5 CM%.
The substrate must be protected from rising and penetrating moisture.
The compressive strength of the substrate should be at least 25 N/mm².
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.

Application

1. The hardener component is completely incorporated into 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, repot the material in a clean container and mix again for 1 min.
2. **HADALAN® Pripor 12E** is applied immediately after mixing and evenly distributed with a rubber slider.
   Subsequently level out the material with a short-pile epoxy resin roller or with a loop roller.
3. The material consumption depends to a large extent on the condition of the substrate.
   For very porous substrates, 2-layer application is recommended. The coating interval between the two coats and subsequent levelling coatings must be < 24 hours.
4. Alternatively, the material can be processed using a powerful (hahne® AMP50) airless device. Airless nozzle approx. 521.
5. Clean tools, etc. immediately after use. Completely hardened material can only be removed mechanically.

hahne system products

HADALAN® Floor levelling compounds based on epoxy and polyurethane resins
HADALAN® EPV 38L

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.
- Colour deviations do not constitute a defect in contiguous surfaces.
- Carry out preliminary tests for machine processing.
- To ensure a pore-free substrate, maintain the specified consumption quantities.

Ingredients

Epoxy resin, functionally filling materials, pigments, auxiliaries

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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

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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