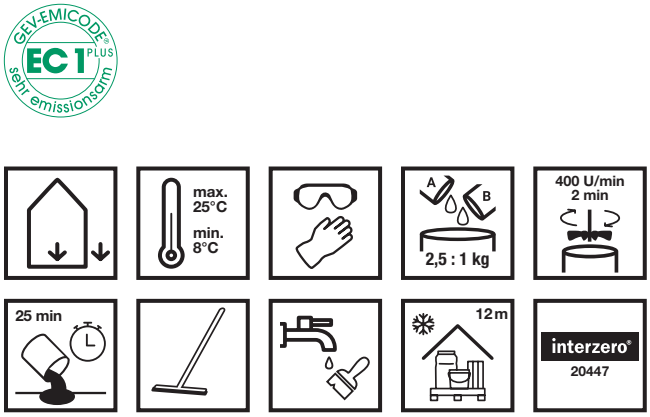
HADALAN® Pripor 12E

Primer and protective coating, thixotropic, pore covering



These pictograms apply to the **basic product**.
Deviations are possible depending on the area of application and processing.

PRODUCT INFORMATION

Description

HADALAN® Pripor 12E is a solvent-free thixotropic epoxy resin coating and is suitable as a pore-covering primer before floor coatings and as a chemical-resistant protective coating on horizontal and vertical surfaces due to its functional fillers. The material has a red control coloration, is free of VOCs, has good adhesion on dry and slightly damp mineral substrates. The cured film has good abrasion resistance and is resistant to many acids, alkalis and solvents.

Application

- as a pore-covering primer before EP and PU leveling compounds
- special composition prevents air from rising from the substrate and thus enables a non-porous and bubble-free leveling coating
- as a chemical-resistant and abrasion-resistant protective coating on mineral floor and wall surfaces

Operational area

- multifunctional use as primer and coating
- industrial and commercial areas
- Concrete and screed surfaces
- chemically stressed surfaces
- adhesion-promoting and pore-filling primer
- protective coating for wall and floor surfaces
- Pore sealing for EP screeds

Place of use

- indoor and outdoor floor surfaces

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Properties

- hahne platelet technology
- thixotropic adjustment
- osmosis-resistant
- good adhesion to substrates with increased residual moisture
- good chemical resistance
- high mechanical strength
- red control coloring
- VOC- and plasticizer-free

Technical Data

Available container sizes	8.5 kg/combination container
Component A	6.0 kg resin
Component B	2.5 kg hardener
Density, ready to use	approx. 1.10 kg/l
Processing temperature	+8°C to + 25°C
Processing time	approx. 20 – 30 minutes [1)]
Revisability	can be recoated and walked on after approx. 8 hours [1)]
Resilience	final strength after approx. 5 days [1)]
Flexural strength	approx. 34 N/mm²
Adhesive tensile strength on concrete	≥ 3.0 N/mm² on matt damp substrate
elongation at break	3,0% / 28d
Shore hardness (Shore-A)	approx. 81
Storage	frost-free and cool, 12 months
Consumption	approx. 0.25 kg/m² as primer approx. 0.5 kg/m² as pore sealing

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

Chemical resistance* based on DIN EN 13529

	Resistance over a period of:	
Test medium	24 hours	28 days
Diesel oil		
Ethanol		
Xylene		
Slurry test liquid A		
Slurry test liquid B		
Sulphuric acid 5		
Hydrochloric acid 3 %		
Acetic acid 5 %		
NaOH 5 %		

*The chemical resistance depends on the concentration, the temperature and the exposure time. Soiling must be removed immediately.
Even with positive chemical resistance, changes to the surface, such as loss of gloss or discolouration, may occur. However, this does not affect the functionality of the material used.

SUBSTRATE

Properties/tests

- The substrate must be dry, solid, clean, dust-free, absorbent, load-bearing and free of separating agents, corrosive components or other layers that could interfere with the bond.
- In principle, the substrate must be suitable for the coating system.
- The adhesive tensile strength of the substrate must be at least 1.5 N/mm².
- The moisture content of the zone near the surface (approx. 3.0 cm) must not exceed the equilibrium moisture content of the building materials. Concrete and cement screed: < 6.0 CM%, anhydrite screeds: < 0.5 CM%.
- The substrate must be protected against rising and penetrating moisture.
- The compressive strength of the substrate should be at least 25 N/mm².

Preparation

- Prime highly absorbent and sanding substrates with HADALAN EBG 13E before coating.
- The coating with HADALAN LF41 12E can be applied after the primer has hardened tack-free.

AREAS OF APPLICATION AND PROCESSING

Applying

- The hardener component is completely added to the resin component. The components are mixed homogeneously using a slow-speed agitator (approx. 400 rpm with stirring paddle). The mixing time is 2 minutes. Ensure that no excessive air is stirred into the material. After homogeneous mixing, the material is poured into a clean container and mixed again for 1 minute.
- HADALAN Pripor 12E is applied to the surface immediately after mixing and spread evenly with a rubber squeegee. The material is then leveled with a short-pile epoxy resin roller or loop roller.
- The material consumption depends heavily on the condition of the substrate. A 2-layer application is recommended for very porous substrates. The spreading interval between the two coats and subsequent leveling coats must be < 24 hours.
- Alternatively, the material can be applied using a powerful airless device. Airless nozzle approx. 521.

NOTES

Cleaning

- Clean tools and equipment immediately after use.
- Hardened material can only be removed mechanically.

System products

- HADALAN® floor leveling compounds based on epoxy resins and polyurethane resins
- HADALAN® EPV 38L

To be observed

- Maintain a processing temperature of +8 °C to +25 °C.
- The application distances for multi-layer coatings must be observed.
- High temperatures accelerate, low temperatures delay the solidification and curing process.
- Epoxy resins are not permanently color stable.
- Pour the material out of the container immediately after mixing.
- Color deviations on contiguous surfaces do not constitute a defect.
- For machine application, carry out preliminary tests.
- To ensure a non-porous substrate, the specified consumption quantities must be observed.

Ingredients

- Epoxy resin, Epoxy hardener
- functional fillers
- Pigments
- additives

Occupational safety / Recommendation

- Further information on safety during transportation, storage and handling can be found in the current safety data sheets. Detailed information can be found in the leaflet “Epoxy resins in the construction industry”, published by the Arbeitsgemeinschaft der Bau-Berufsgenossenschaften, Tiefbau-Berufsgenossenschaft, Industrieverband Klebstoffe e.V., Bauchemie und Holzschutz e.V. in Frankfurt.

Disposal

- The following applies to all systems: Only return empty containers to recycling partner Interseroh. Cured material residues can be disposed of in accordance with EWC code no. 08 01 11 (paint and varnish waste containing organic solvents or other hazardous substances).

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The statements are made based on extensive tests and practical experiences. They cannot be applied to every application case. Therefore, we recommend carrying out application trials if necessary. Subject to technical changes in the course of further development. Furthermore, our General Terms and Conditions of Business apply.