



HADALAN® LF41 12E

Epoxy dispersion rolled coating, osmosis-resistant, vapour diffusion permeable



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

PRODUCT INFORMATION

Description

HADALAN® LF41 12E is a solvent-free, pigmented, 2-component epoxy resin dispersion for a wide range of applications. Particularly suitable for commercial and decorative floors in new builds and refurbishments with maximum coverage.

Application

- for coating mineral substrates, floors and wall surfaces

Operational area

- Concrete, screed, cement plaster, masonry, fiber cement
- Coating of wall and floor surfaces in workrooms, warehouses, garages and cellars

Place of use

- for interior and exterior use

Properties

- solvent-free
- breathable
- mechanically and chemically resilient
- slip-resistant
- fillable
- VOC-free



Technical Data

Available container sizes	20 kg/set 5 kg/combination container
colour	stone gray approx. RAL 7030
Mixing ratio	4 : 1 parts by weight
Density, ready to use	approx. 1,35 kg/l
Abrasion loss (according to Taber)	0.058 g (roll CS 10, 1000 U, 1000 g)
Adhesive strength	≥ 1,5 MPa
Processing temperature	+10°C to +30°C
Processing time	approx. 45 minutes
Walkability	after approx. 6 hours ¹⁾
Resilience	Fully loadable after approx. 5 days ¹⁾
Storage	frost-free, 12 months
Consumption	approx. 0.25 kg/m ² per coat
¹⁾ At +20 °C and 60 % relative humidity	

Chemical resistance* based on DIN EN 13529

Test medium	Resistance over a period of:				
	6 hours	24 hours	3 days	7 days	28 days
Acetic acid 10 %	Green	Green	Green	Green	Red
Acetic acid 50%	Green	Red	Red	Red	Red
Sodium hydroxide 20 %	Green	Green	Green	Green	Green
Ethanol/IPA 1:1	Green	Green	Green	Green	Green
White spirit	Green	Green	Green	Green	Green
Xylene	Green	Green	Green	Green	Green
Hydrochloric acid 10 %	Green	Green	Green	Red	Red
Hydrochloric acid 30 %	Green	Green	Green	Red	Red
Skydrol	Green	Green	Green	Green	Green
Sulphuric acid 20 %	Green	Green	Green	Green	Green
Engine Oil	Green	Green	Green	Green	Green
Diesel oil	Green	Green	Green	Green	Green

*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 clean, sound and stable.
- Temporarily slightly damp substrates do not impair adhesion.
- The adhesive tensile strength of the substrate must be at least 1.5 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

- Mix component A and component B intensively in a suitable container using a slow-running, mechanical agitator (300 – 400 rpm).
- Then pour the mixture into a clean container and stir briefly. By adding up to 10 % water, the spreading consistency can be optimally adjusted.
- Apply with a roller or brush. To achieve uniform surfaces, apply with a suitable short pile roller for epoxy resins. The application is carried out crosswise. Waiting times during application can lead to build-up.
- To achieve uniform color rendering, 2 coats are generally required.

NOTES

■ Cleaning

- Clean all tools and equipment with water immediately after use.

■ System products

- HADALAN® EBG 12E

■ To be observed

- Maintain a processing temperature of +10 °C to +30 °C.
- Processing beyond the pot life leads to poor results in terms of film strength and visual impression.
- Ensure sufficient ventilation during drying. The product contains water, which must dry out of the coating film.
- For contiguous surfaces, only materials with the same batch number may be used.
- The relative humidity must not exceed 80%. The substrate temperature must be at least 3 °C above the dew point temperature.
- Ensure uniform application quantities, irregular material quantities lead to differences in gloss level.
- To maintain the surface quality of the coating, the use of care products and regular cleaning of the floors is recommended (see HADALAN epoxy resin flooring care instructions).

■ Ingredients

- Epoxy resin dispersion
- functional fillers
- Pigments

■ 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. Liquid product remains can be disposed of according to the Waste Catalogue Ordinance under the Waste Code 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).

■ Producer

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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.