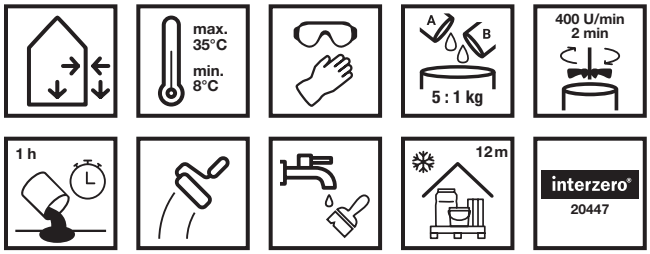
HADALAN® LF51 12E

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® LF51 12E is a two-component, dispersion-bound epoxy resin coating with good chemical resistance and an abrasion-resistant surface.

Application

- for coating mineral substrates, floors and wall surfaces

Operational area

- Coatings for warehouse floors, garage floors, basement floors, workshops, and pergolas
- Concrete, screed, cement plaster, masonry, fiber cement

Place of use

- Floor and wall areas

Properties

- solvent-free
- diluted with water
- dispersion-bound
- wear-resistant
- good chemical resistance
- vapour-permeable

Technical Data

Available container sizes	6 kg/combination container 24 kg/set
Mixing ratio	5 : 1 parts by weight
colour	stone gray approx. RAL 7030
Processing temperature	+8°C to +35°C
Processing time	approx. 60–80 minutes [1)]
Density, ready to use	approx. 1.55 kg/l
Abrasion loss (according to Taber)	0.084 g (CS 10 roll, 1000 U, 1000 g)
Adhesive strength	≥ 1,5 MPa
Spreading distance	at least 6 hours [1)]
Walkability	light loads can be applied after 24 hours [1)]
Resilience	final strength after approx. 5 days [1)]
Storage	frost-free, 12 months
Consumption	approx. 0.3 kg/m² per coat

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

Chemical resistance* based on DIN EN 13529



*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

- Substrates whose surfaces have been treated with smoothing agents (e.g., wax) must be pretreated accordingly (milling, sandblasting). A wetting test using water provides initial guidance.
- Prime highly absorbent and sanding substrates with HADALAN EBG 13E before coating.
- Coating with HADALAN LF51 12E can be applied approximately 2 hours after applying the primer.

AREAS OF APPLICATION AND PROCESSING

Applying

- Thoroughly mix Component A and Component B in a suitable container using a low-speed drill with a mixing paddle.
- To achieve the desired spreadable consistency, water may be added up to a maximum of 10%.
- The mixture must be decanted into a suitable, clean container and stirred again briefly before use.
- Apply with a roller or brush. To achieve uniform surfaces, apply with a suitable short pile roller for epoxy resins. 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
- HADALAN® Topcoat G 32P
- HADALAN® Topcoat M 12P
- HADALAN® Velo-Base
- HADALAN® ColourChips 89V
- HADALAN® KG 57DD
- HADALAN® GP 57DD

To be observed

- Maintain an application temperature between +8 °C and +35 °C.
- When used outdoors, the paint is likely to lose its gloss.
- Processing beyond the pot life leads to poor results in terms of film strength and visual impression.
- Surfaces and substrates that are heavily greasy, or where rising or lateral moisture penetration is likely, are unsuitable for coating.
- Ensure adequate ventilation while the product is drying. The product contains water, which must evaporate from the coating film.
- Optically related areas must be prepared with material from the same production batch to prevent colour differences.
- The substrate temperature must be at least 3 °C above the dew point temperature during application and curing.
- Make sure to apply an even amount of product; uneven application can result in variations in gloss.
- 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.