

HADALAN® LF41 12E



Solvent-free, 2-component epoxy resin dispersion for floor and wall surfaces, outdoors and indoors



Characteristics

HADALAN® LF41 12E is a solvent-free, pigmented, 2-comp. epoxy resin dispersion for a versatile range of applications. It is ideal for commercial and decorative floors in new buildings and when renovating with the highest opacity.

- Solvent free
- Permits diffusion
- Mechanically and chemically loadable
- Skid resistant
- Fillable
- VOC-free

Use

HADALAN® LF41 12E for coating mineral substrates, floors and wall surfaces.

Application fields:

- Concrete, screed, cement plaster, masonry, fibre cement
- Coatings of floor surfaces in work areas, warehouses, garage floors, cellar floors

Specifications

Packaging	Metal bucket
Combi. container	5 kg
Component A	4 kg
Component B	1 kg
Mixing ratio	4 : 1 part by weight
Form as supplied	56 containers/pal
Colour hues	
Stone grey	approx. RAL 7030
Pebble grey	approx. RAL 7032
Traffic grey A	approx. RAL 7042
Further shades on request	
Processing temperature	+10 °C to +30 °C
Processing time ¹⁾	45 Minutes
Density, ready-to-use	1.35 kg/l
Accessible ¹⁾	after approx. 6 hours
Fully loadable ¹⁾	after approx. 5 days
Surface tensile strength	> 1.5 N/mm ²
Attrition loss	0.058 g (per Taber: Roll CS 10, 1000 U, 1000 g)
Storage	frost-free, 12 months

Quantity required

Per coat	approx. 0.25 kg/m ²
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¹⁾ At +20 °C and 60 % relative humidity.

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Preparation of the surface

The substrate must be clean, solid and able to support a load. Temporary, slightly moist substrates do not impair the adhesion. The adhesive tensile strength of the substrate must be at least 1.5 N/m mm². Prime-coat heavily absorptive and sanded substrates before coating with **HADALAN® V31 13E**. Sealing primers can be made with the material **HADALAN® EBG 13E**. Coating with **HADALAN® LF41 12E** can be undertaken after applying the priming coat.

Application

1. Intensively stir component A and component B in a suitable container with a slowly rotating, mechanical stirrer (300 - 400 RPM).
2. Subsequently refill into a clean vessel and briefly agitate. The brushable consistence can be optimally adjusted by adding up to 10 % water.
3. Apply with a roller or brush. To achieve uniform surfaces, apply with a suitable short-pile roller for epoxy resins. Apply in cross coats. Waiting times during processing can lead to sediments
4. Two coats are generally required to attain a uniform colour reproduction
5. Clean the equipment with water Immediately after use.

Scraped filler and levelling compounds

Mix comp. A and B with each other with a power stirrer (approx. 300 - 400 RPM), repot and stir once again. To set the desired flow properties add up to 10 % water (proportional to the binder amount). Subsequently stir the **HADALAN® FGM003 57M** filling compound homogeneously into the mass. The amount of the filler mixture additive depends on the desired application. For layer thicknesses of 2 mm a MR of 1 : 1 is recommended. The compound has a density of 1,77 kg/l then. If working in slight thicknesses, reduce the dosage of the filler mixture. Aerate the levelling compounds with a spike or ventilation roller.

hahne system products

HADALAN® V31 13E
HADALAN® EBG 13E

Important notes

- Maintain the processing temperature of +10 °C to +30 °C.
- Processing past the pot life leads to flawed results regarding the film resistance and the optical impression.
- Ensure sufficient ventilation during drying. The product contains water which must dry out of the coating film.
- Process solely with the same batch number for contiguous surfaces
- The substrate temperature must be at least 3° C above the dew-point temperature.
- Ensure uniform application amounts; irregular material amounts lead to differences in the degree of gloss.
- To maintain the surface quality of the coating it is recommended to use care products and to regularly clean the floor (see care instructions on HADALAN® epoxy resin coatings).

Ingredients

Epoxy resin dispersion, functional fillers, pigments

Safety provisions/recommendations

Detailed information on safe transport, storage and handling can be found in the current data sheets.

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 2.2016