

## Epoxy dispersion roller coating, resistant to osmosis, open to diffusion

With official test certificate

### Characteristics

**HADALAN® LF51 12E** is a 2 component, dispersion based epoxy resin coating with good chemical resistance and abrasion resistant surface.

- Solvent-free
- Water dilutable
- Dispersion based
- Abrasion resistant
- Good resistance to chemicals
- Vapour permeable

### Use

**HADALAN® LF51 12E** for coating mineral substrates, floor and wall areas.

### Applications:

- Concrete, screed, cement plaster, masonry, fibre reinforced cement
- Coating floor areas in warehouses, garages, cellars, workshops, covered walks

### Specifications

Packaging	Metal bucket
Combination pack	24 kg/6 kg
Component A	20 kg / 5 kg
Component B	4 kg / 1 kg
Supplied	8 / 56 packs/pal.
Colours	
Stone grey	approx. RAL 7030
Pebble grey	approx. RAL 7032
Further shades on request	
Working temperature	+8 °C to +35 °C
Pot life <sup>1)</sup>	60 – 80 minutes
Density, ready-to-use	1.55 kg/l
Light loads	after approx. 24 hrs
Final strength	after approx. 5 days
Surface tensile strength	> 1.5 N/mm <sup>2</sup>
Time between coats	at least 6 hrs
Abrasion loss	0.084 g (acc. to Taber: Roll CS 10, 1000 U, 1000 g)
Storage	frost-free, 12 months
Stability after 12 months storage against:	
White spirit, diesel oil, distilled water, 1.5 % and 10 % Kofa Grain, slurry solution, 1.5 % and 10 % propionic acid	
<b>Quantity required</b>	
Per coat	approx. 0.3 kg/m <sup>2</sup>

<sup>1)</sup> At +20 °C and 60 % relative humidity.

## Preparation of the surface

The substrate must be clean, stable and sound. Temporarily slightly moist substrates do not affect adhesion. The adhesion strength of the substrate must be at least 1.5N/mm<sup>2</sup>.

Substrates which have been treated with smoothing agents (e.g. wax) must be appropriately treated beforehand (milling, sand blasting).

An initial wetting test with water provides a first indication.

Highly absorbent and dusting substrates should be primed with **HADALAN® V31 13E** before coating. Coating with **HADALAN® LF51 12E** can start about 2 hours after priming.

## Application

1. Thoroughly mix component A and component B together in a container using a slow running drill with a paddle.
2. Transfer the mixture into a clean container and stir briefly again.
3. Use a roll or a paint brush to apply. To achieve an even surface apply using a suitable short fibre roller for epoxy resins. Use a crosswise movement. Delays during the application can lead to deposits.
4. To achieve even colouring, two coats are usually required.
5. Clean work equipment with water immediately after use.

To obtain the required brush consistency, up to a maximum of 10 % water can be added.

## hahne system products

HADALAN® V 31 13E

## Important notes

- Maintain a working temperature of +8 °C to +35 °C.
- When used outdoors there could be a reduction in gloss.
- Application beyond the pot life produces poor results for film strength and visual impression.
- If the temperature falls below +8 °C work should be suspended because it takes longer to fully harden.
- Very oily areas and substrates where rising or lateral damp is to be expected are not suitable for this coating.
- Ensure adequate ventilation during drying. The product contains water which has to dry out of the coating.
- Only material with the same batch number may be used on continuous areas.
- The substrate temperature must be at least 3 °C above the dew point temperature.
- Ensure even amounts are applied, irregular application results in differences in the degree of gloss.
- To achieve the coating surface quality, the use of a care product is recommended to clean the floors on a regular basis (see care instructions 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 safety data sheets.

## Disposal

The local waste removal regulations must be observed.

## Manufacturer

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