

Polyurethane grouting compound for horizontal expansion joints, permanently elastic

Characteristics

HADALAN® E-PU 12P is a solvent-free, permanently elastic, 2-component joint grouting compound with a good resistance to oil, petroleum spirit, diluted acids and alkalis, fuels and aqueous cleaning solutions.

- Solvent-free
- Permanently elastic
- Flowable
- Good resistance to chemicals

Use

HADALAN® E-PU 12P is used for filling out horizontal joints in screed and concrete as well as for steel and asphalt surfaces. By adding **HADALAN® SM 57DD**, the flow behaviour of **HADALAN® E-PU 12P** can be reduced.

Areas of application:

- Concrete and screed joints
- Industrial floors
- Asphalt ground

Specifications

Packaging	Tin bucket
Combination barrels	6 kg
Component A	5 kg
Component B	1 kg
Delivery form	56 barrels/pallet
Colour shade	grey
Density, ready for processing	approx. 1.5 kg/l
Processing temperature	+5 °C to +35 °C
Mixing ratio	5 : 1 parts by weight
Pot life ¹⁾	45 - 50 minutes
It is possible to drive on it ¹⁾	after approx. 24 hours
Fully hardened ¹⁾	after approx. 7 days
Shore A hardness	70
Elongation at rupture, max.	approx. 140 %
Max. movement absorption	approx. 10 %
Viscosity when stirred	approx. 230 dPa.s
Temperature resistance	-20 °C to +80 °C
Storage	cool, 12 months

Resistant to chemicals based on DIN 52452 1,000 hours duration: Ethanol 50 %, petroleum spirit, flux oil, ammonium hydrogen phosphate, distilled water, tap water at 70 °C, petrol mixture, diesel oil, monoethylene glycol, milk, sodium chloride solution, saturated, phosphoric acid 5 %, sulphuric acid 5 %, citric acid 5 %, soap solution 5 %, wine

Quantity required

Joint width, joint depth	Material consumption
5 mm 10 mm	approx. 0.075 kg/ running metre
10 mm 10 mm	approx. 0.15 kg/running metre
15 mm 10 mm	approx. 0.23 kg/running metre
20 mm 12 mm	approx. 0.36 kg/running metre
20 mm 15 mm	approx. 0.45 kg/running metre

¹⁾ At +20 °C and 60 % relative atmospheric humidity.

Preparation of the surface

The joints must be dry and free of dirt, dust, oil and other adhesion-impairing substances. If required, the joints should be cleaned by milling or sandblasting. Then, the joints are blown clean with oil-free compressed air or with the help of a vacuum cleaner. For stiffening and adhesion facilitation, the joint flanks are primer-coated with **HADALAN® HV Uni 30DD**. By using separating foil or backfill material (closed-cell foam cord), the adhesion of the joint paste on the joint primer should be prevented. After an airing time of the primer of > 6h < 24h, the joint paste can be introduced. To ensure a precise appearance of the joint edges, they should be fitted with a self-sticking tape. The tape must be removed immediately after the grouting.

Application

1. Mix component A and component B thoroughly with a slowly rotating stirring tool (400 rpm), till a uniform grey colour shade is obtained. The minimum mixing time is 1 minute.
2. Then fill the paste into a clean vessel, stir it briefly and insert it into the joints. In the case of surfaces over which vehicles are driven, the joint filling should retract about 5 mm, so that the mechanical strain from rolling loads is minimised.
3. The adhesive tape should be pulled off immediately after adding **HADALAN® E-PU 12P**.
4. Clean all the working equipment after use with **HADALAN® EPV 38L**. Material that has already undergone a reaction should only be removed mechanically.

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HADALAN® EPV 38L
HADALAN® HV Uni 30DD

Important notes

- Maintain the processing temperature at +5 °C to +35 °C.
- The substrate must be fully dry during the work.
- The material should be protected from humidity till it is completely hard.
- High temperatures accelerate and low temperatures delay the progress of bonding.
- When processing partial quantities, attention must be paid to complying exactly with the mixing ratio.
- The joints must be dry before grouting, since bubbles can get formed upon contact of the joint compound with moisture.
- If used in the outdoors, the surface of the grouting compound can become yellowed.

Ingredients

Polyurethane resin, functional fillers

Safety provisions/recommendations

Information regarding the safety during transport, storage and handling are included in the updated safety data sheets.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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