

Product Data Sheet

Sikafloor®-325 LP (VP)

Self Levelling Polyurethane Floor Topping



Description A two-component solvent-free pigmented binder on Polyurethane base with extended potlife at high ambient temperatures for self levelling and broadcast floors.

Uses *For applications at ambient temperatures above 20° C.*

As self levelling floor topping for Industrial floorings subjected to moderately heavy mechanical and chemical loading, e.g.:

- Production- and storage facilities
- Cold-storage facilities
- Work shops
- Exhibition centres

As broadcast floor topping with or without base layer for floor coatings with crackbridging properties and at the same time high mechanical resistance for:

- Parkdecks and ramps
- Cold storage and freezer rooms
- Storage facilities

Advantages

- PET-technology
- Flexible and tough-elastic also at low temperatures
- Crack-bridging (static up to 0.6 mm at 23° C)
- Solvent-free
- Excellent wear resistance
- Easy and fast application also at high temperatures

Technical Data

Colour Pebble grey (approx. RAL 7032)
Other colours on request

Mix ratio Comp. A : B = 2.7 : 1.0 (parts by weight)

Density
(20°C)

Comp. A:	~ 1.30 kg/l
Comp. B:	~ 1.24 kg/l
Comp. A+B:	~ 1.28 kg/l

Viscosity
(20°C)

Comp. A:	~ 3'500 mPa·s
Comp. B:	~ 300 mPa·s
Comp. A+B:	~ 3'000 mPa·s

Rate of reaction (20°C/ 75% r.h.)	20°C	30°C	40°C
- Pot life (25 kg):	~ 60 min.	~ 40 min.	~ 20 min.
- Can be walked on after:	48 hrs.	24 hrs.	16 hrs.
- Light mechanical loading permitted after:	5 days	3 days	2 days
- Fully cured after:	14 days	7 days	5 days

Shelf life 12 months from date of production if stored properly in original unopened packing at temperatures between +5°C and +30°C.

Mechanical properties Sikafloor-325 LP (VP) neat (results from test cubes)

	Storage	Standard	Result
Adhesive tensile strength of system	28 days / 23°C/ 50% rel. hum.	Sika	> 1.5 N/mm ² (Concrete failure)
Tensile strength	28 days / 23°C/ 50% rel. hum	DIN 53504	17.1 N/mm ²
Elongation at break	14 days / 23°C/ 50% rel. hum	DIN 53504	50 %
Shore D hardness	28 days / 23°C/ 50% rel. hum	DIN 53505	70
Glass transition temp. (Tg)	28 days / 23°C/ 50% rel. hum 500 hrs/ QUV	ASTM D4065 ASTM D4065	22.5°C 28.6°C

Packaging Ready for use pre-proportioned units at 25 kg (A+B)

Chemical resistance Testing period: 42 days continuous (Sika method) at 20° C.

Testing group accd. to DIBT/chemicals	Result
1. Diesel fuels	B, D
2. Kerosene	A
3. Fuel oil	A
4. Aromatic hydrocarbons	B, D
5. Single or multiple alcohols	A, D
6. Trichlorethylene	B, D
7. Esters and ketones	B, D
8. Aliphatic Aldehyde	A, D
9. Acetic acid 10%	B, D
Acetic acid 20%	B, D
10. Sulphuric acid 10%	A
11. Caustic soda 20 %	C
12. Amines	C
A = resistant B = Temporary resistant C = Breakdown of coating D = Discoloration of coating	

Application

Substrate preparation The substrate must be structurally sound and level, clean, dry and free from all traces of loose material, laitance, oil and grease. Any unsound material must be removed. Compressive strength at least 25 N/mm², adhesive tensile strength min. 1,5 N/mm². Uneven or porous areas must be made good first either by trowelling locally or overall with Sikafloor 81 EpoCem New or 82 EpoCem New.

Mixing Stir Component A thoroughly with an electric stirrer prior to batching. Add Component B in the correct mix ratio and mix at low speed (300 -400 rpm for 3 minutes). To ensure thorough mixing, decant the mix into a clean container and stir again for a very short period.

Method of application Apply an even layer using a notched trowel or spreader (rubber or steel, 6 - 7 mm notches). Roll immediately with a spiked roller to ensure uniform thickness and remove entrapped air. Use a smaller flooring trowel or spreader (4 - 5 mm notches) around edges of floor.

Caution:

Uncured material reacts in contact with water (foaming). During application care must be taken that no sweat can drip into fresh Sikafloor-325 LP (VP) (wear head- and wristbands).

Cleaning Clean all tools and equipment immediately after use with Colma-Cleaner. Once hardened, the material can only be removed mechanically. Wash soiled hands and skin thoroughly with hot soapy water.

Limitations	<ul style="list-style-type: none"> - Minimum substrate temperature: + 20°C. - Observe dew-point - Maximum substrate temperature: + 40°C - Maximum relative humidity 85% - Maximum moisture content of substrate: < 4 % (or use Sikafloor EpoCem) - Only apply to tack free Sikafloor-156 Primer - Waiting time between application of Sikafloor-156 Primer and Sikafloor-325: min. 18 hours, max. 2 days (at 20°C) - At substrate temperatures below + 20° C use Sikafloor-325 !
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Safety Instructions

Safety precautions	The product can cause skin irritation to persons with sensitive skin. Always rub barrier cream into hands and exposed skin before starting work. Wear protective clothing (gloves and goggles). If Sikafloor-325 is accidentally splashed into the eyes, nose, mouth or throat, flush immediately with plenty of clean, warm water and seek medical attention without delay. When working indoors ensure proper ventilation during application and curing.
Ecology	In liquid state Comp. A + B can contaminate water. Do not dispose of into water or soil but according to local regulations.
Toxicity	Comp. A: Non-toxic under the relevant Swiss Health and Safety Codes. Comp. B: Class 3.
Transport	Comp. A+B: Non-hazardous.

In case of doubt, always follow the directions given on the pack or label.

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.



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