

PRODUCT DATA SHEET

Sikafloor®-316

2-COMPONENT CLEAR COAT BASED ON POLYUREA TECHNOLOGY USED ON RIGID FLOORS.

PRODUCT DESCRIPTION

Sikafloor®-316 is a two component very low VOC, glossy clear coat based on polyurea technology.

USES

Sikafloor®-316 may only be used by experienced professionals.

Glossy clear coat to seal Sikafloor® epoxy and tough-elastic polyurethane flooring

CHARACTERISTICS / ADVANTAGES

- Based on polyurea technology
- Low odour
- Good UV resistance
- UV inhibitor
- Easy to clean
- Highly scratch resistant
- Good chemical resistance

ENVIRONMENTAL INFORMATION

- Conformity with LEED v4 MRc 4 (Option 2): Building Product Disclosure and Optimization - Material Ingredients
- Conformity with LEED v2009 IEQc 4.2: Low-Emitting Materials - Paints and Coatings

APPROVALS / STANDARDS

- Synthetic resin screed material according to EN 13813:2002, Declaration of Performance 02 08 01 04 034 0 000001 2017, and provided with the CE marking.
- Coating for surface protection of concrete according to EN 1504-2:2004 for principles 2,3,5,6,8, Declaration of Performance 02 08 01 04 034 0 000001 2017, certified by notified factory production control certification body 0921, and provided with the CE marking.

PRODUCT INFORMATION

Chemical Base	Polyurea	
Packaging	Part A	0.55 kg container
	Part B	4.45 kg container
	Part A+B	5.0 kg ready to mix units
Appearance / Colour	Part A:	Clear liquid
	Part B:	Clear liquid
	Part A+B:	Clear liquid
Shelf Life	12 months from date of production	
Storage Conditions	The product must be stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +30 °C.	

Density	Part A	~1.03 kg/l
	Part B	~1.16 kg/l
	Mixed Resin	~1.14 kg/l

All Density values at +23 °C.

TECHNICAL INFORMATION

Chemical Resistance	Resistant to many chemicals. Contact Sika technical service for specific information.
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SYSTEM INFORMATION

Systems	Sikafloor®-316 can be used as clearcoat on Sika Decoflake , Sika Decofloor , Sika Compactfloor and Sikafloor-264 system build-ups. Please refer to the respective System Data Sheets.
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APPLICATION INFORMATION

Mixing Ratio	Part A : part B = 11 : 89 (by weight)	
Consumption	On smooth surfaces	~0.07–0.08 kg/m ² /layer
	On broadcasted / flaked surfaces	~0.1–0.12 kg/m ² /layer
	In case of broadcasted with co-rundum	~0.13–0.14 kg/m ² /layer

Ambient Air Temperature	+10 °C min. / +30 °C max.
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Relative Air Humidity	80 % max. / 30 % min.
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Dew Point	Beware of condensation! The substrate and uncured floor must be at least 3 °C above the dew point to reduce the risk of condensation or blooming on the floor finish.
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Substrate Temperature	+10 °C min. / +30 °C max.
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Pot Life	Temperature	Time
	+10 °C	~ 90 minutes
	+20 °C	~ 60 minutes
	+30 °C	~ 30 minutes

Caution: End of pot life is not noticeable.

Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	~ 20 hours	~ 48 hours	~ 10 days
	+20 °C	~ 16 hours	~ 36 hours	~ 7 days
	+30 °C	~ 12 hours	~ 24 hours	~ 5 days

Note: Times are approximate and will be affected by changing ambient conditions

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The surface must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by vacuum. Pull off strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

MIXING

Prior to mixing, ensure part A is homogeneous, pour part A into part B and mix continuously for 3 minutes

until a uniform mix has been achieved. After mixing A and B, 2 % by weight of Sika Antiskid Agent or Glass Beads must be added to the mix. The aggregates create a better skid resistance, improve the wetting properties of the product and may hide the possible imperfections in the subfloor. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimise air entrainment.

Mixing Tools:

Sikafloor®-316 must be thoroughly mixed using an electric stirrer or other suitable equipment.

APPLICATION

When installing Sikafloor®-316, make use of Micro-fibre rollers with a fibre length of ~10 mm and a paint grid. A seamless finish can be achieved if a “wet” edge is maintained during application.

CLEANING OF TOOLS

Clean all tools and application equipment with solvent immediately after use. Hardened and/or cured material can only be removed mechanically.

FURTHER DOCUMENTS

Substrate Quality & Preparation

Please refer to Sika Information Manual: “EVALUATION AND PREPARATION OF SURFACES FOR FLOORING SYSTEMS”.

Application Instructions

Please refer to Sika Information Manual: “MIXING & APPLICATION OF FLOORING SYSTEMS”.

Maintenance

Please refer to “Sikafloor®- CLEANING REGIME”.

LIMITATIONS

- Freshly applied Sikafloor®-316 must be protected from damp, condensation and water for at least 7 days (+20 °C).
- Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealers coats. Therefore substrate and adjacent areas must be cleaned thoroughly prior to application.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electricpowered warm air blower systems.
- Do not over-coat the product with itself as you may face adhesion problems. Make sure you respect the application limits and avoid overcoating.

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

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LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU-Directive 2004/42, the maximum allowed content of VOC (Product category IIA / j type sb) is 140 g/l (Limit 2010) for the ready to use product. The maximum content of Sikafloor®-316 is < 140 g/l VOC for the ready to use product.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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