

PRODUCT DATA SHEET

Sikafloor®-305 W

2-PART PUR MATT COLOURED SEAL COAT PART OF THE SIKA COMFORTFLOOR® FLOORING RANGE



DESCRIPTION

Sikafloor®-305 W is a two part water based, low VOC, polyurethane, coloured matt seal coat. Suitable for use in hot and tropical climatic conditions.

USES

Sikafloor®-305 W may only be used by experienced professionals. Matt seal coat for Sika ComfortFloor® flooring range, for smooth Sikafloor® polyurethanes and for the Sikafloor® Economy line epoxies.

CHARACTERISTICS / ADVANTAGES

- Water based
- Very low odour
- Good UV resistance, non-yellowing
- Easy to clean

APPROVALS / CERTIFICATES

- Coating for concrete protection according to the requirements of EN 1504-2:2004 and the EN 13813:2002, DoP 0208010400500000031041 certified by Factory Production Control Body, 0620 and provided with the CE-mark.
- Eurofins Emission tested according to the AgBB-scheme and guidelines of the DiBt (AgBB – Committee for Health-related Evaluation of Building Products, DiBt – German Institute for Building Technology). Sampling, testing and evaluation were performed according to ISO-16000, Report No. 769855D.
- Fire classification according to EN 13501-1, Test reports 08-198, 08-199 and CR-13- 167/1, Ghent University.

PRODUCT INFORMATION

Composition	PUR	
Packaging	Part A	8.5 kg containers
	Part B	1.5 kg containers
	Part A + B	10. kg ready to mix units
Appearance / Colour	Sikafloor®-305 W is matt after final curing. Available in various colour shades and as substrates for local tinting.	
Shelf life	Part A: 6 months from date of production Part B: 12 months from date of production	
Storage conditions	The packaging 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	~1.33 kg/l	(DIN EN ISO 2811-1)
	Part B	~1.13 kg/l	
	Mixed resin	~1.18 kg/l	

All Density values at +23 °C

TECHNICAL INFORMATION

Chemical Resistance Resistant to many chemicals. Contact Sika Technical Department for detailed chemical resistance table.

APPLICATION INFORMATION

Mixing Ratio Part A : Part B = 85 : 15 (by weight)

Consumption 0.13 - 0.15 kg/m²/layer
 These figures are theoretical and do not allow for any additional material due to surface porosity, surface profile, variations in level and wastage etc. When used in high wear conditions, for example where rolling office chairs occur, a double layer Sikafloor®-305 W is highly advisable, as a double layer is increasing the mechanical strength of the system and its resistance against office chairs particularly.

Ambient Air Temperature +10 °C min. / +30 °C max.

Relative Air Humidity During curing the humidity should not exceed 75 % maximum. Adequate fresh air ventilation must be provided to remove the excess moisture from the curing product.

Dew Point Beware of condensation!
 The substrate and uncured floor must be at least 3 °C above dew point to reduce the risk of condensation or blooming on the floor finish.

Substrate Temperature +10 °C min. / +30 °C max.

Pot Life	Temperatures	Time
	+10 °C	~80 min
	+20 °C	~60 min
	+30 °C	~30 min

Caution: End of potlife is not noticeable.

Curing Time Before overcoating Sikafloor®-305 W allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 h	4 d
+20 °C	16 h	3 d
+30 °C	12 h	2 d

Based on relative humidity maximum 70 % and good ventilation. Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity.

Applied Product Ready for Use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	~30 h	~48 h	~6 d
	+20 °C	~16 h	~24 h	~4 d
	+30 °C	~12 h	~18 h	~3 d

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 of strength shall not be less than 1.5 N/mm². If in doubt apply a test area first.

MIXING

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for

3 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. After mixing allow the material to pre-react for 10 minutes prior to application. Over mixing must be avoided to minimise air entrainment.

Mixing Tools:

Sikafloor®-305 W must be thoroughly mixed using a low speed electric stirrer (300 - 400 rpm) or other suitable equipment.

APPLICATION

Prior to application, confirm substrate moisture content, relative humidity and dew point. Uniformly spread Sikafloor®-305 W by using a short pile nylon roller. Sikafloor®-305 W can also be applied by using a airless spray equipment. A seamless finish can be achieved if a “wet” edge is maintained during application.

CLEANING OF EQUIPMENT

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

FURTHER INFORMATION

▪ Substrate quality & Preparation

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

▪ Application instructions

Please refer to Sika Method Statement: “MIXING & APPLICATION OF FLOORING SYSTEMS”.

▪ Maintenance

Please refer to “Sikafloor®- CLEANING REGIME”.

IMPORTANT CONSIDERATIONS

- Freshly applied Sikafloor®-305 W 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. When applying on an epoxy surface, the floor has to be sanded with preferably, a green 3M pad to secure a proper adhesion.

- 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 electric powered warm air blower systems.

BASIS OF PRODUCT DATA

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

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

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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ISO 9001: Sika UAE LLC,
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Sika Saudi Arabia Co. Ltd,
Sika Qatar LLC
ISO 14001: Sika UAE LLC,
Sika Gulf B.S.C. (c),
Sika Saudi Arabia Co. Ltd
OHSAS: Sika UAE LLC,
Sika Gulf B.S.C. (c)

All products are supplied
under a management
system certified to conform
to the requirements of the
quality, environmental and
occupational health &
safety standards ISO 9001,
ISO 14001 and OHSAS
18001.

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