

PRODUCT DATA SHEET

Sikafloor®-305 W

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

PRODUCT DESCRIPTION

Sikafloor®-305 W is a two part water based, low VOC, polyurethane, coloured matt seal coat.

USES

Sikafloor®-305 W may only be used by experienced professionals.

- Matt coloured seal coat for Sika ComfortFloor®-Systems
- Matt coloured seal coat for smooth Sikafloor® polyurethanes
- Matt coloured seal coat for smooth Sikafloor® Economy line Epoxies

CHARACTERISTICS / ADVANTAGES

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

PRODUCT INFORMATION

Chemical Base	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 Steely Glimpse, Amberish Grey, Brilliant Blue, Sea Mist, Sky Line, Spring Grass, Concrete Grey, Latte Macchiato, Light Ivory, Black, Frosty Tree, Sweet Citrus, Sunfire, Brown Beige, Bordeaux Wine	
Shelf Life	Part A	6 months from date of production
	Part B	12 months from date of production

ENVIRONMENTAL INFORMATION

VOC Emission certificate according to AgBB und DIBT approval requirements (AgBB – Committee for Health-related Evaluation of Building Products, DiBt – German Institute for Building Technology), Eurofins report No. 769855D

APPROVALS / STANDARDS

- Coating for concrete protection according to the requirements of EN 1504-2:2004 and the EN 13813:2002, DoP 0208010400500000031041 and provided with the CE-mark.
- Coating for surface protection of concrete according to EN 1504-2:2004, Declaration of Performance 0208010400500000031041, certified by notified factory production control certification body 0620, and provided with the CE marking.
- Fire classification acc. to EN 13501-1, Test reports 08-198, 08-199 and CR-13- 167/1 , Ghent University

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. Please ask for a detailed chemical resistance table.

Gloss level

Angle	Value	(ISO 2813)
85°	<50	
60°	<10	

SYSTEM INFORMATION**Systems**

Please refer to the System Data Sheet of:

Sika Comfortfloor® PS-23	Seamless, smooth, unicolour, low voc, elastic polyurethane floor covering
Sika Comfortfloor® PS-27	Seamless, smooth, unicolour, low voc, tough elastic polyurethane floor covering
Sika Comfortfloor® PS-63	Seamless, smooth, unicolour, low voc, sound insulating elastic polyurethane floor covering
Sika Comfortfloor® PS-65	Seamless, smooth, unicolour, low voc, resilient polyurethane floor covering

APPLICATION INFORMATION**Mixing Ratio**

Part A : part B = 85 : 15 (by weight)

Consumption

Please refer to the System Data Sheet

Ambient Air Temperature

+10 °C min. / +30 °C max.

Relative Air Humidity

75 % max.

During curing the humidity should not exceed 75 % max. 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 minutes
+20 °C	~ 60 minutes
+30 °C	~ 80 minutes

Caution: End of potlife is not noticeable.

Curing Time

Before applying Sikafloor®-305 W on Sikafloor®-330 / 327 / 263SL allow:

Substrate temperature	Minimum	Maximum
+10 °C	24 hours	78 hours
+20 °C	18 hours	48 hours
+30 °C	12 hours	36 hours

Before applying Sikafloor®-305W on Sikafloor®-305W allow:

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

Based on RH max. 70 % and good ventilation. When outside the application window, light sanding with green 3M pad to prepare. 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 hours	~ 48 hours	~ 6 days
+20 °C	~ 16 hours	~ 24 hours	~ 4 days
+30 °C	~ 12 hours	~ 18 hours	~ 3 days

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

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®-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.

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.

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

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 wb) is 140 g/l (Limit 2010) for the ready to use product.

The maximum content of Sikafloor®-305 W 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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Product Data Sheet

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