

PRODUCT DATA SHEET

Sikafloor®-304 W

2-part PUR matt seal coat part of the Sika Comfortfloor® flooring range



DESCRIPTION

Sikafloor®-304 W is a two part water based, very low VOC, polyurethane, matt seal coat.

USES

Sikafloor®-304 W may only be used by experienced professionals.

Matt seal coat for Sika ComfortFloor® flooring range

CHARACTERISTICS / ADVANTAGES

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

SUSTAINABILITY

- EMICODE EC1 PLUS afgasningstest
- GISCODE PU40
- EPD

DGNB – New buildings and extensive renovations, version 2020 2.0.0 :

The product complies with requirements for indicator 20, quality level 4, according to criteria matrix for ENV1.2/Environmentally hazardous substances. Documented by technical datasheet, safety datasheet and emission certificate (EC1 Plus).

Click here to see other documents:

[Sikafloor®-304 W](#)

APPROVALS / CERTIFICATES

- Synthetic resin screed material according to EN 13813:2002 and provided with the CE marking.
- Coating for surface protection of concrete according to EN 1504-2:2004 and provided with the CE marking.

PRODUCT INFORMATION

Composition	PUR	
Packaging	Part A	6.0 kg containers
	Part B	1.5 kg containers
	Part A+B	7.5 kg ready to mix units
Shelf life	Part A:	6 months from date of production
	Part B:	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.	

Appearance and colour	Resin - part A	white, liquid	
	Hardener - part B	yellowish, liquid	
Sikafloor®-304W is matt after final curing.			
Density	Part A	~ 1.05 kg/l	(DIN EN ISO 2811-1)
	Part B	~ 1.13 kg/l	
	Mixed resin	~ 1.07 kg/l (diluted with 5 % Water)	
All Density values at +23°C			

TECHNICAL INFORMATION

Gloss level	Angle	Value	(ISO 2813)
	85°	< 55	
	60°	< 10	
Chemical resistance	Resistant to many chemicals. Contact Sika technical service for specific information.		

SYSTEM INFORMATION

Systems	Please refer to the System Data Sheet of:		
	Sika Comfortfloor® PS-24	Seamless, smooth, low voc, elastic, polyurethane floor covering with optional colour flakes	
	Sika Comfortfloor® PS-64	Seamless, smooth, low voc, sound insulating elastic polyurethane floor covering with optional colour flakes	
	Sika Comfortfloor® PS-66	Seamless, smooth, low voc, resilient polyurethane floor covering with optional colour flakes	

APPLICATION INFORMATION

Mixing ratio	Part A : part B = 80 : 20 (by weight)	
Consumption	~0.13 kg/m ² /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.	
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	Temperature	Time
	+10 °C	~ 50 minutes
	+20 °C	~ 30 minutes
	+30 °C	~ 20 minutes
Caution: End of potlife is not noticeable.		

Curing time

Before overcoating Sikafloor®-304 W allow:

Substrate temperature	Minimum	Maximum
+10 °C	26 hours	4 days
+20 °C	16 hours	3 days
+30 °C	12 hours	2 days

Based on relative humidity of max. 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 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

BASIS OF PRODUCT DATA

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.

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®-304 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.
- 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.

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

The maximum content of Sikafloor®-304 W is < 140 g/l VOC for the ready to use product.

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, 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. During the mixing of the Components A and B add 5–7 % clean water. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. After mixing give the material a rest for 10 minutes. Over mixing must be avoided to minimise air entrainment.

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During transportation and storing of the A part, dried material can occur inside the container, on and near the lid. This dried material can cause white flakes in the finished surface. If there is any sign of this dried material when opening the A part container, it is recommended to sift the mixed material during the mixing process, when pouring the mixed material from one container to another.

Mixing Tools:

Sikafloor®-304 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®-304 W by using a short pile nylon roller. Sikafloor®-304 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.

LOCAL RESTRICTIONS

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

LEGAL NOTES

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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