



BUILDING TRUST



## PRODUCT DATA SHEET

# Sikafloor®-307 W

Aliphatic polyurethane based matt seal coat for decorative flooring (Formerly FLORTHANE WB)

### DESCRIPTION

Sikafloor®-307 W is a two part, very low VOC, water based aliphatic polyurethane, matt seal coat. It is designed to improve cleanability, increase stain resistance and abrasion resistance for Sikafloor® decorative flooring systems.

### USES

Sikafloor®-307 W may only be used by experienced professionals.

Sikafloor®-307 W is used in Sikafloor® decorative flooring range for below applications

- Clean rooms
- Hospitals
- Training room
- Lobby
- Office area
- Pharmaceutical facilities
- Warehouses
- Engineering units

### CHARACTERISTICS / ADVANTAGES

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

### PRODUCT INFORMATION

<b>Composition</b>	Water based polyurethane	
<b>Packaging</b>	Part A+B	5 kg set
	Part A	4 kg container
	Part B	1 kg container
<b>Shelf life</b>	6 months from date of production	
<b>Storage conditions</b>	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	Part A+B mixed	Clear, liquid
	Part A	White, liquid
	Part B	Yellowish, liquid
	Final floor appearance	Matt finish
Density	~1.04 kg/L (Part A+B mixed, +27 °C)	(EN ISO 2811-1)

## TECHNICAL INFORMATION

Abrasion resistance	~40 mg (CS10/1000/1000)	(ASTM D4060)
Tensile adhesion strength	≥ 2 N/mm <sup>2</sup>	(EN 1542)
Chemical resistance	Resistant to many chemicals. Contact Sika Technical Services for additional information.	

## APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 4 : 1 (by weight)			
Consumption	~0.12 kg/m <sup>2</sup> per 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.			
Layer thickness	~60 microns per coat			
Ambient air temperature	+10 °C min. / +30 °C max.			
Relative air humidity	75 % max. During curing the humidity should not exceed 75 %. 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 applied floor material must be at least +3 °C above dew point to reduce the risk of condensation or blooming on the surface of the applied product. Low temperatures and high humidity conditions increase the probability of blooming.			
Substrate temperature	+10 °C min. / +30 °C max.			
Pot Life	<b>Temperature</b>	<b>Pot life</b>		
	+10 °C	~50 minutes		
	+20 °C	~45 minutes		
	+30 °C	~20 minutes		
Caution: End of pot life is not noticeable.				
Waiting time to overcoating	Before overcoating Sikafloor®-307 W allow:			
	<b>Substrate temperature</b>	<b>Minimum</b>	<b>Maximum</b>	
	+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	<b>Temperature</b>	<b>Foot traffic</b>	<b>Light traffic</b>	<b>Full cure</b>
	+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

- Sika Method Statement: Evaluation and Preparation of Surfaces for Flooring Systems
- Sika Method Statement: Mixing & Application of Flooring Systems
- Sika Method Statement: Sikafloor®-Cleaning Regime

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

### IMPORTANT

#### **Strictly follow installation procedures**

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

### EQUIPMENT

#### MIXING EQUIPMENT

- Electric single paddle mixer (300–400 rpm)

#### APPLICATION EQUIPMENT

- Short pile roller
- Airless spray

### SUBSTRATE QUALITY / PRE-TREATMENT

#### IMPORTANT

#### **Clean adjacent substrates properly**

Substrate and adjacent areas must be cleaned thoroughly prior to application. Unevenness of substrates as well as inclusions of dirt cannot be covered by thin sealers coats.

- 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/mm<sup>2</sup>. If in doubt apply a test area first.

### MIXING

#### IMPORTANT

Mix full units only.

1. Mix Part A (resin) mechanically until a uniform colour is achieved.

2. Add Part B (hardener) to Part A.
3. Mix Part A + B continuously for 3 minutes until a uniform mix has been achieved.
4. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Note: Over mixing must be avoided to minimise air entrainment.

### APPLICATION

#### IMPORTANT

#### **Protect from moisture**

After application, protect the product from damp, condensation and direct water contact for at least 24 hours.

#### IMPORTANT

#### **Temporary heating**

If temporary heating is required, do not use gas, oil, paraffin or other fossil fuel heaters. These produce large quantities of both carbon dioxide and water vapour, which may adversely affect the finish. For heating, use only electric powered warm air blower systems.

#### **Manual Application**

1. Apply the mixed Sikafloor®-307 W onto the substrate using a short pile nylon roller.
2. Push the resin well into the surface, making sure that the coating fully wets the surface, and then pulling back lightly with the roller to the required thickness. Note: Maintain a "wet edge" during application for a seamless finish.

#### **Spray Application**

1. Using an airless low pressure sprayer, apply a single application sufficient to wet the surface without producing puddles. Avoid over application.

### CLEANING OF EQUIPMENT

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

## 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 exact product data and uses.

## 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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