

PRODUCT DATA SHEET

Sikafloor®-341 W

2-PART PU HIGH STRENGTH COLOURED COATING SYSTEM

DESCRIPTION

Sikafloor®-341 W is a two-part water-based, coloured polyurethane, high strength coating system.

USES

Sikafloor®-341 W may only be used by experienced professionals.

Sikafloor®-341 W may only be used by experienced professionals. It is used to treat and protect surfaces such as:

- Asphalt pavements (for schemes like Surface Colour Texturing System, Mandatory Give Way to Buses Zone, etc)
- Concrete pavements
- Footpaths
- Coloured cycling paths

CHARACTERISTICS / ADVANTAGES

- Water-based
- Very low odour
- Good UV and yellowing resistance
- Non-toxic
- Good skid resistance
- Excellent adhesion
- Good abrasion and chemical resistance
- Rapid drying
- Aesthetically appealing

PRODUCT INFORMATION

Chemical Base	Polyurethane	
Packaging	Part A (Resin)	27.1 kg Pail
	Part B (Hardener)	0.9 kg Pail
	A + B Set	28 kg Ready-to-mix set
Shelf Life	12 months from date of production	
Storage Conditions	Store properly in original, unopened, and undamaged sealed packaging, in dry conditions at temperatures between +10 °C and +30 °C. Protect from direct sunlight.	

Appearance / Colour	Part A	Liquid, Coloured
	Part B	Liquid, Transparent
Available in Blue, Red, Yellow, Grey, White and Green (Minimum quantities required for special shades).		

TECHNICAL INFORMATION

Abrasion Resistance	≤ 0.12g (1000 cycles)	(ASTM D4060-2010)
Tensile Adhesion Strength	1.9 N/mm ² or at least 70% substrate failure	(ASTM D 4541-09e1)

SYSTEM INFORMATION

Systems	Primer	1 x Sikafloor®-161 HC
	Coating	2 x Sikafloor®-341 W
Optional Addition 1 x Sikafloor 341 PU Topcoat may be added to enhance the appearance.		

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 27.1 : 0.9 (by weight)		
Consumption	Roller coating		
	Primer	1x Sikafloor®-161 HC	
	Coating	2x Sikafloor®-341 W	
		0.8 kg/m ² @ 0.5 mm thick per coat	
Depending on substrate condition			
Ambient Air Temperature	+10 °C min. / +30 °C max.		
Relative Air Humidity	75 % r.h. max.		
Substrate Temperature	+10 °C min. / +40°C max.		
Substrate Moisture Content	≤ 4 % pbw moisture content Test method e.g.Sika®-Tramex meter. No rising moisture according to ASTM (Polyethylene-sheet).		
Pot Life	1hr hours at +30 °C (in closed container)		
Curing Time	Before applying Sikafloor®-341 W on Sikafloor®-161 HC allow:		
	Substrate temperature	Minimum	Maximum
	+30 °C	2 Hours	24 Hours
	Before applying Sikafloor®-341 W on Sikafloor®-341 W allow:		
	Substrate temperature	Minimum	Maximum
	+30 °C	2 Hours	48 Hours
Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity. When relative air humidity is ≥ 75 % the waiting time is increased by at least 24 hours.			
Applied Product Ready for Use	Foot traffic	Light traffic	Full cure
	~20 Hours	~24 Hours	~7 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 DOCUMENTS

On Concrete and Asphalt substrate Skid Resistance (Wet)

Foot Path	45-60 BPN	(ASTM E303-93(2008))
Carriageway	55-75 BPN	

UV Exposure (1000 hrs)

No cracking, softening, debonding, peeling and blistering	(ASTM G154-2012a)
Grey Scale 4.5	(BS EN 20105-A03 (1994))

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.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The concrete substrate must be sound, clean, dry and free of all contaminants such as dirt, oil, grease, coatings, surface treatments, etc.

Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using SIKA approved products. The concrete or screed substrate must be primed or levelled in order to achieve an even surface. High spots must be removed by grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

MIXING

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved. Over mixing must be avoided to minimise air entrainment. Sikafloor®-341 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 is below 4 %.

Primer

Make sure that a continuous, pore-free coat covers the substrate. If necessary, apply two priming coats. When used as a primer always apply by brush or roller.

Optional 10% by weight of fine sand can be added in the primer for better ease of application.

Coating

Sikafloor®-341 W is spread very thinly and evenly using a steel trowel or squeegee. A seamless finish can

be achieved if a “wet” edge is maintained during application. Uneven application of the material and resulting differences in the coating layer thicknesses may lead to the surface having an inconsistent “matt” finish, as well as a difference in the drying time. Repeat with second layer of coating to build up the thickness for better durability. Recommended thickness is 0.5mm per coat.

CLEANING OF TOOLS

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

MAINTENANCE

CLEANING

To maintain the appearance of the floor after application, all spillages on Sikafloor®-341 W must be removed immediately. Regularly clean the floor using rotary brush, mechanical scrubbers, scrubber dryer, high pressure washer, wash and vacuum techniques, etc. using suitable detergents and waxes.

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.

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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