

PRODUCT DATA SHEET

Sikagard[®]-950

UV resistant coloured polyurethane coating for Sikaplan[®] and Sarnafil[®] roof waterproofing membranes

DESCRIPTION

Sikagard[®]-950 is a 2-part, water-based, UV resistant, coloured polyurethane coating for Sikaplan[®] and Sarnafil[®] roof waterproofing membranes.

USES

Sikagard[®]-950 may only be used by experienced professionals.

Decorative coating for Sikaplan[®] and Sarnafil[®] PVC or FPO roof waterproofing membranes for:

- Flat and sloping fully exposed roof structures
- New roofs
- Roof refurbishment
- Roof graphics
- Architectural detailing
- Marking out safety zones

FEATURES

- Good opacity
- Resistant to UV exposure
- High flexibility
- Available in many colours
- Good mechanical properties
- PVC plasticiser blocking properties
- Easily cleanable
- Low surface soiling
- Easy application by brush, roller or airless spray

PRODUCT INFORMATION

Composition	Aliphatic polyurethane	
Packaging	10 kg combi-unit	
	Part A	7 kg
	Part B	3 kg

Shelf life	12 months from date of production				
Storage conditions	Product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +5 °C and +30 °C. Always refer to packaging.				
Appearance and colour	Semigloss finish				
	RAL 1***	RAL 2***	RAL 3***	RAL 4****	RAL 5***
	1000		3009	4009	5000
	1001		3011		5001
	1002		3012		5002
	1011		3017		5005
	1013				5007
	1014				5009
	1015				5012
	1019				5014
	1024				5015
					5017
					5018
					5019
					5023
					5024
	RAL 6***	RAL 7***	RAL 8***	RAL 9***	Others
	6000	7000	8000	9001	specific col-
	6003	7001	8001	9002	ours on re-
	6004	7002	8004	9003	quest
	6005	7004	8007	9010	
	6006	7005	8008	9016	
	6011	7006	8011	9018	
	6013	7008	8012		
	6014	7009	8014		
	6017	7010	8015		
	6018	7011	8016		
	6019	7012	8017		
	6020	7013	8024		
	6021	7016	8025		
	6027	7022	8028		
	6028	7023			
	6033	7030			
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		7047			
Density	Part A		~1,07 kg/l (+23 °C) depending on colour		
	Part B		~1,06 kg/l (+23 °C)		
Viscosity	Part A		~300 mPa·s to 600 mPa·s		
	Part B		~300 mPa·s to 450 mPa·s		
	Mixed A +B		~400 mPa·s to 800 mPa·s		

Consistency Liquid

Volatile organic compound (VOC) content ~5 %

SYSTEM INFORMATION

Compatibility Sikagard®-950 is compatible with the following roof waterproofing membranes:

- Sikaplan® PVC or FPO
- Sarnafil® PVC or FPO

APPLICATION INFORMATION

Mixing ratio Part A : Part B = 7 : 3 (by weight)

Consumption ~0,15 to 0,25 kg/m² per coat
This figure is theoretical, dependent on colour and is does not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.

Layer thickness ~100 µm (with a consumption of 0,20 kg/m²)

Ambient air temperature +10 °C min. / +35 °C max.

Relative air humidity ~70 % max.

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

Substrate temperature +10 °C min. / +35 °C max.

Substrate moisture content Dry surface without condensation

Pot Life

Temperature

Time

+10 °C

~120 minutes

+20 °C

~60 minutes

+30 °C

~30 minutes

The times are approximate and will be affected by changing ambient conditions.

Do not use product beyond the pot life.

Curing time

Important: Do not walk on product for at least 3 hours after application.

Dust free after

~30 minutes

Overcoatable

< 8 hours

Fully cured after

~48 hours

Times are approximate and will be affected by changing ambient conditions particularly temperature and relative humidity

Waiting time to overcoating

Important: During the curing period and up to the required overcoating time, the temperature must not fall below +8 °C.

Important: If an overcoating time of 8 hours is exceeded follow these instructions:

1. Lightly abrade the surface with an abrasive pad to completely remove all the surface sheen. The final prepared surface must not have any sheen residue present.
2. Remove all dust from the surface with industrial vacuuming equipment. Sikagard®-950 on Sikagard®-950

Temperature

Time

+10 °C

~4 hours

+20 °C

~2 hours

+30 °C

~1 hour

Times are approximate and will be affected by changing ambient condi-

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.

IMPORTANT CONSIDERATIONS

Installation work must only be carried out by Sika® trained and approved contractors, experienced in this type of application.

- The coating is not resistant to ponding water. Make sure the area of application has sufficient falls to avoid ponding.

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The membrane surface must be clean, dry and free of all contaminants such as dirt, oil, grease, and loose material.

SUBSTRATE PREPARATION

- Clean the membrane surface to the required quality with water using manual or pressure washing equipment.

Membrane primers:

Membrane type	Primer
Sarnafil® G/S PVC	Sikalastic® Primer PVC
Sarnafil® T FPO	Sikalastic® Primer FPO
Sikaplan® PVC	Sikalastic® Primer PVC
Sikaplan® FPO	Sikalastic® Primer FPO

MIXING

Important: Mix only the amount of Sikagard®-950 that can be applied within 15 minutes.

Important: Avoid over-mixing to minimise air entrainment.

Important: Do not use any water in the mix as this will affect the performance, surface finish and cause discolouration.

Requirement: Use a low speed electric single paddle mixer and stirrer (300–400 rpm) for mixing.

1. Mix Part A until the coloured pigment is dispersed and a uniform colour is achieved.
2. After mixing part A, gradually add Part B while continually mixing.
3. Mix Part A + B continuously for 3,0 minutes until a uniformly coloured mix is achieved.

APPLICATION

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

Important: Before application, confirm substrate moisture content, relative air humidity, dew point and ambient air temperatures.

Important: Confirm waiting /overcoating time is achieved before applying subsequent products or coats. (Refer to waiting / overcoating times)

Important: After application, protect the products from damp, condensation and direct water contact (rain) for at least 8–12 hours.

Primer

1. Apply the primer with a nylon fleeced roller to the required consumption rate onto the membrane.
2. Back roll the surface in two directions at right angles to each other.

Coating - Manual application

Note: A seamless finish can be achieved if a 'wet' edge is maintained during application.

1. Apply the product with a brush or nylon fleeced roller to the required consumption rate (~0,15 to 0,25 kg/m²)
2. Back roll the surface in two directions at right angles to each other.

Coating - Airless spray application

Spray apply mixed product in a continuous operation to achieve a consistent thickness and required surface finish.

For advice on suitable spraying equipment, pressure and nozzle diameter, contact Sika Technical Services.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water after use. Hardened material can only be removed mechanically. or with a proprietary paint stripper.

MAINTENANCE

Areas of Sikagard®-950 which need to be recoated can be maintained with additional coats of Sikagard®-950 according to the following procedure.

Coating surface requirements

- The existing coating surface must be clean, dry and free of all contaminants such as dirt, oil, grease, and loose material.

Important: To prevent damage to the waterproofing membrane, do not use any belt or angle grinder power tools to abrade the surface of the Sikagard®-950.

Important: The waterproofing membrane must not be damaged by surface preparation.

Note: If the coating has delaminated from the waterproofing membrane, it can be repaired as detailed in the 'Application' section.

Maintenance application procedure

1. Clean the surface of the coating using a choice of water-based methods (Refer to 'Cleaning' section).
2. Lightly wet abrade the surface with suitable mechanical equipment (i.e. rotary scrubbers) using abrasive pads (i.e. 3M Scotch-Brite medium grade) to completely remove any surface sheen. The final prepared surface must have a dull matt finish.
3. Clean the surface with water and allow to dry.
4. Overcoat the surface with Sikagard®-950 (Refer to 'Application' section).

CLEANING

Select the most appropriate method required for the project:

Pressure washing

Important: To prevent damage to the existing coating, only use low pressure washing equipment preferably with an adjustable pressure control and wide angled spray nozzle.

Important: The wand must be used between 400 mm to 600 mm above the coating.

1. Set up the washer equipment to the appropriate pressure
2. Clean the coating surface to the required quality.
3. Remove water from the coating and allow to completely dry before applying product.

Rotary scrubbers / cleaners

Important: To prevent damage to the existing coating, only use 30 cm to 40 cm diameter synthetic scrubbing pads. Do not use stripping pads.

1. Remove any loose debris from the coating surface before using equipment
2. Select and add the appropriate pad to the base of the equipment and if required, cleaning solution to the water tank.
3. Clean the coating surface to the required quality.
4. Remove water from the coating and allow to completely dry before applying product.

Manual cleaning (small areas)

Equipment: Sponge, mop, or brush.

1. Remove any loose debris from the coating surface before using equipment
2. Wet the coating with water and use a sponge, mop, or brush with a non-abrasive cleaner to clean the coating surface to the required quality.
3. Remove water from the coating and allow to completely dry before applying product.

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.

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Product Data Sheet

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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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