

PRODUCT DATA SHEET

Sikagard®-950

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

SIKA NZ
APPROVED
CONTRACTOR
ONLY

AVAILABLE
ON INDENT
ORDER
ONLY

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

CHARACTERISTICS / ADVANTAGES

- 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

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

Appearance / Colour

Semigloss finish

<u>RAL 1***</u>	<u>RAL 2***</u>	<u>RAL 3***</u>	<u>RAL 4****</u>	<u>RAL 5***</u>
1000	2000	3000	4001	5000
1001	2001	3001	4002	5001
1002	2002	3002	4003	5002
1003	2003	3003	4004	5003
1004	2004	3004	4005	5004
1005	2008	3005	4006	5005
1006	2009	3007	4007	5007
1007	2010	3009	4008	5008
1011	2011	3011	4009	5009
1012	2012	3012		5010
1013		3013		5011
1014		3014		5012
1015		3015		5013
1016		3016		5014
1017		3017		5015
1018		3018		5017
1019		3020		5018
1020		3022		5019
1021		3027		5020
1023		3031		5021
1024				5022
1028				5023
1032				5024
1033				
1034				

RAL 6***	RAL 7***	RAL 8***	RAL 9***	Others
6000	7000	8000	9001	specific colours on request
6001	7001	8001	9002	
6002	7002	8002	9003	
6003	7003	8003	9004	
6004	7004	8004	9006	
6005	7005	8007	9007	
6006	7006	8011	9005	
6007	7008	8012	9010	
6008	7009	8014	9011	
6009	7010	8015	9016	
6010	7011	8016	9017	
6011	7012	8017	9018	
6012	7013	8019		
6013	7015	8022		
6014	7016	8023		
6015	7021	8024		
6016	7022	8025		
6017	7023	8028		
6018	7024			
6019	7026			
6020	7030			
6021	7031			
6022	7032			
6024	7033			
6025	7034			
6026	7035			
6027	7036			
6028	7037			
6029	7038			
6032	7039			
6033	7040			
6034	7042			
	7043			
	7044			
	7047			

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.		
Density	Part A		~1.07 kg/l (+23 °C) depending on colour
	Part B		~1.06 kg/l (+23 °C)
Solid Content	~50 % depending on colour		
Volatile organic compound (VOC) content	~5 %		
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		

SYSTEM INFORMATION

Compatibility	Sikagard®-950 is compatible with the following roof waterproofing membranes: <ul style="list-style-type: none"> ▪ Sikaplan® PVC or FPO
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APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 7 : 3 (by weight)	
Consumption	~0.15 to 0.25 kg/m ² per coat This figure is theoretical, dependent on colour and 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/m ²)	
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 / 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 conditions particularly temperature and relative humidity	

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 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 at 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 TOOLS

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.

LIMITATIONS

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.

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.

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

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.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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Product Data Sheet

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