

PRODUCT DATA SHEET

Sikagard®-950

UV RESISTANT COLOURED COATING FOR SIKAPLAN® AND SARNAFIL® ROOF WATERPROOFING MEMBRANES

DESCRIPTION

Sikagard®-950 is a waterborne two part, coloured polyurethane coating. It has a flexible resin binder with PVC plasticizer blocking properties.

USES

To provide UV-resistant coating film with good mechanical resistance on mechanically fixed or bonded Sikaplan® and Sarnafil® PVC or FPO roof waterproofing membranes where different surface colours are required i.e. architectural features / design or roof graphics.

CHARACTERISTICS / ADVANTAGES

- Good opacity
- UV-resistant
- High flexibility
- Good mechanical properties
- Odourless
- PVC plasticizer blocking properties
- Easy application by brush, roller or airless

APPROVALS / STANDARDS

- DIN 53151
- EN ISO 2409
- EN 1297 (UV-Exposure, Pass (> 5000 h / grade 0))

PRODUCT INFORMATION

Chemical Base	Aliphatic polyurethane
Packaging	Combined containers: ▪ Part A: 7 kg ▪ Part B: 3 kg

Appearance / Colour

RAL 1***	RAL 2***	RAL 3***	RAL 4****	RAL 5***
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 col-
6001	7001	8001	9002	ours can be
6002	7002	8002	9003	matched (on
6003	7003	8003	9004	request)
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 if stored properly in original, unopened and undamaged sealed containers. Expiry date on container.

Storage Conditions	Store in dry conditions.
Density	Part A: ~ 1.07 kg/l (+23 °C) depending on color Part B: ~ 1.06 kg/l (+23 °C)
Solid Content	~ 50 % depending on color
Volatile Organic Compound (VOC) Content	~ 5 %
Viscosity	Part A: ~ 300 mPas–600 mPas Part B: ~ 300 mPas–450 mPas Compound: ~ 400 mPas–800 mPas
Consistency	Liquid

SYSTEM INFORMATION

Compatibility	Application only on membranes listed in the Product Data Sheet.
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APPLICATION INFORMATION

Mixing Ratio	Part A: 7 parts by weight Part B: 3 parts by weight	
Consumption	5 m ² to 8 m ² per kg and coat dependent on the color.	
Layer Thickness	100 µm (with 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. min. +3 °C above dew point	
Substrate Moisture Content	Dry surface without condensation	
Pot Life	Temperature	Time
	+10 °C	~ 120 minutes
	+20 °C	~ 60 minutes
	+30 °C	~ 30 minutes
Note: The times are approximate and will be affected by changing ambient conditions. Do not use material which is over the pot life.		
Curing Time	Dust free after:	30 minutes
	Overcoatable ¹⁾ :	< 8 hours
	Fully cured after:	48 hours
1) If the maximum waiting time of 8 hours is exceeded it is necessary to lightly abrade the surface to get proper adhesion.		
Waiting Time / Overcoating	Temperature	Time
	+10 °C	~ 4 hours
	+20 °C	~ 2 hours
	+30 °C	~ 1 hour
Note: If the maximum waiting time of 8 hours is exceeded it is necessary to lightly abrade the surface. The times are approximate and will be affected by changing ambient conditions.		

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The membrane surface must be clean and dry, free from all contaminants including dust, oil, grease, coatings, surface treatments etc.

SUBSTRATE PREPARATION

Sarnafil® G/S PVC Membranes

Cleaning:	Water
Primer:	Sikalastic® Primer PVC
Coating:	Sikagard®-950

Sarnafil® T FPO Membranes

Cleaning:	Water
Primer:	Sikalastic® Primer FPO
Coating:	Sikagard®-950

Sikaplan® PVC Membranes

Cleaning:	Water
Primer:	Sikalastic® Primer PVC
Coating:	Sikagard®-950

Sikaplan® FPO Membranes

Cleaning:	Water
Primer:	Sikalastic® Primer FPO
Coating:	Sikagard®-950

MIXING

Premix Part A thoroughly with a mechanical mixer or stir stick. Add Part B slowly into Part A under continuous mixing with a 300–400 rpm mechanical mixer for approximately 3 minutes without creating any bubbles or streaks. The mixture should be uniform in color without any light or dark streaks. Mix only the amount of Sikagard-950 that can be applied within 15 minutes.

APPLICATION

Sikagard®-950 may be applied by brush or roller or airless spray. Freshly applied Sikagard®-950 must be protected from damp, condensation and water for at least 8–12 hours. Applied Sikagard®-950 must not be tread on for at least 3 hours after application (light foot traffic only). During curing time until overcoatable condition the min. temperature may not drop below +8 °C.

CLEANING OF TOOLS

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

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 Material Safety Data Sheet (MSDS) 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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