

# PRODUCT DATA SHEET

## Sikagard<sup>®</sup>-63 N

### 2-PART EPOXY PROTECTIVE COATING



#### DESCRIPTION

Sikagard<sup>®</sup>-63 N is a two part, rigid, total solid, coloured epoxy resin based protective coating. Suitable for use in hot and tropical climates.

#### USES

Sikagard<sup>®</sup>-63 N may only be used by experienced professionals.

- Chemical resistant protective layer on concrete, stone, cementitious mortars and renderings, epoxy cement, epoxy resin based products and steel
- Lining in storage tanks and silos
- Anti-corrosion coating on steel in food processing plants, sewage works, farms, agricultural enterprises, chemical and pharmaceutical facilities and beverage industry

#### CHARACTERISTICS / ADVANTAGES

- Solvent free
- Good mechanical and chemical resistance
- High build
- Impervious to liquids
- Easy to mix and to apply

#### SUSTAINABILITY

According USGBC LEED Rating Sikagard<sup>®</sup>-63 N conforms to the requirements of LEED EQ Credit 4.2: Low – Emitting Materials: Paints & Coatings SCAQMD Method 304-91 VOC Content < 100 g/l

#### APPROVALS / CERTIFICATES

Coating for concrete protection according the requirements of EN 1504-2/2004, DoP 0206060100300000011008, certified by FPC Notified Body and provided with CE-Marking

#### PRODUCT INFORMATION

<b>Composition</b>	Epoxy resin	
<b>Packaging</b>	Part A	8.70 kg container
	Part B	1.3 kg container
	Part A + B	10 kg ready to mix unit
<b>Appearance / Colour</b>	RAL 7032 (pebble grey), other on request	
<b>Shelf life</b>	12 month from date of production	

<b>Storage conditions</b>	The packaging must be stored properly in original, unopened and undamaged sealed packaging, in dry conditions at temperatures between +5 °C and +30 °C. Protected from direct sunlight.		
<b>Density</b>	Mixed resin ~1.35 kg/l Density values determined at +23 °C	(EN ISO 2811-1)	
<b>Solid content</b>	~100 %		

## TECHNICAL INFORMATION

<b>Tensile Adhesion Strength</b>	> 1.5 N/mm <sup>2</sup> to concrete > 15 N/mm <sup>2</sup> to steel > 10 N/mm <sup>2</sup> to aluminium	(ISO 4624) (EN 24624) (EN 24624)
<b>Chemical Resistance</b>	For further information please contact Sika Technical Department.	
<b>Temperature Resistance</b>	<b>Exposure</b> Permanent Max. 3 days	<b>Dry heat</b> +40 °C +60 °C
<b>Diffusion Resistance to Water Vapour</b>	µH <sub>2</sub> O ~100 000	(EN ISO 7783-1)

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Part A : Part B = 83 : 17 by weight			
<b>Consumption</b>	~0.15 kg/m <sup>2</sup> per layer			
<b>Layer Thickness</b>	~0.1 mm per layer			
<b>Ambient Air Temperature</b>	+10 °C min. / +35 °C max.			
<b>Relative Air Humidity</b>	< 80 %			
<b>Substrate Temperature</b>	+10 °C min. / +40 °C max. ≥ 3 °C above dew point, beware of condensation			
<b>Pot Life</b>	<b>Temperature</b> +10 °C +20 °C +30 °C	<b>Time</b> ~30 min ~20 min ~10 min		
<b>Waiting Time / Overcoating</b>	<b>Temperature</b> +10 °C +20 °C +30 °C	<b>Minimum</b> 9 h 5 h 4 h	<b>Maximum</b> 3 d 2 d 1 d	<b>Full Cure</b> 14 d 9 d 5 d

## APPLICATION INSTRUCTIONS

Prior to mixing stir part A mechanically. When all of part B has been added to part A mix continuously for 3 minutes until a uniform mix has been achieved. Use a low speed electrical stirrer (300 to 400 rpm) to avoid air entrapment. To ensure proper mixing pour material into a clean container and stir again. Apply by brush, short piled roller or airless spray.

### CLEANING OF EQUIPMENT

Clean all tools with Thinner C immediately after use. Hardened and/or cured material can only be removed mechanically.

## IMPORTANT CONSIDERATIONS

This product may only be used by experienced professionals. Do not apply Sikagard®-63 N on moist substrates. Sag resistance on vertical surface is < 100 µm. Sikagard®-63 N cannot be used to produce glass fibre reinforced linings. Freshly applied Sikagard®-63 N must be protected from rain, condensation and water for at least 24 hours. For exact colour matching ensure the use of the same control batch numbers.

## BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## 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 the exact product data and uses.

## 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.

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All products are supplied  
under a management  
system certified to conform  
to the requirements of the  
quality, environmental and  
occupational health &  
safety standards ISO 9001,  
ISO 14001 and OHSAS  
18001.

### Product Data Sheet

Sikagard®-63 N

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