

## PRODUCT DATA SHEET

# Sikagard<sup>®</sup>-850 Primer

Primer for Sikagard<sup>®</sup>-850 Clear on uncoated mineral substrates

### DESCRIPTION

Sikagard<sup>®</sup>-850 Primer is a 1-part, ready to use primer for Sikagard<sup>®</sup>-850 Clear on uncoated mineral substrates to improve the application and adhesion. This product is part of the Sikagard<sup>®</sup> Anti-graffiti system.

### USES

- As a primer for the Sikagard<sup>®</sup>-850 Clear anti-graffiti coating system on uncoated mineral substrates

### CHARACTERISTICS / ADVANTAGES

- Low viscosity
- Ready to use - no on-site dilution required
- Adhesion promoting primer
- Specifically used with Sikagard<sup>®</sup>-850 Clear
- Applied by brush, roller or airless spray

### APPROVALS / CERTIFICATES

CE marking and Declaration of Performance according to EN 1504-2 surface protection coating for concrete, DoP number: 50264739

### PRODUCT INFORMATION

<b>Packaging</b>	0,8 kg container 4 kg container
<b>Appearance / Colour</b>	Clear viscous liquid
<b>Shelf life</b>	9 months from date of production
<b>Storage conditions</b>	The 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.
<b>Density</b>	~0.87 g/cm <sup>3</sup>
<b>Flash point</b>	~+35°C
<b>Volatile organic compound (VOC) content</b>	~500 g/l (calculated)
<b>Viscosity</b>	~110 mPa·s (+20 °C) ~90 mPa·s (+40 °C)

## SYSTEM INFORMATION

System structure	System part	Product
	Primer for uncoated mineral substrates (excluding wood)	Sikagard®-850 Primer
	Primer for existing coated mineral substrates	Sikagard®-850 Activator
	Top coat	Sikagard®-850 Clear

## APPLICATION INFORMATION

Consumption	Note: Generally 1 coat is sufficient on a suitably prepared, uniform and primed substrate. ~100 to 150 g/m <sup>2</sup>
Ambient air temperature	+8 °C min. / +35 °C max.
Relative air humidity	≤ 80 %
Dew point	Substrate and ambient temperature must be at least +3 °C above dew point
Waiting time to overcoating	<ul style="list-style-type: none"><li>Typically 2 to 3 hours depending on weather conditions</li><li>Wait until the surface is no longer wet but still tacky</li></ul>

## 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

- Do not use for aerosol-based applications. Sikagard®-850 Primer applied using this application, disperses free aerosol vapour droplets in the air. Breathing in these droplets can cause extremely serious health risks to the user.
- When the container is opened, any remaining product inside the container that has been exposed to the air, will continue to cure and thicken resulting in surface skinning and increased viscosity. It is therefore advised to use up all the product once it is opened until the container is empty.
- The product can be used after a few days of opening the container, providing the skin layer is removed.

## 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

Suitable bare mineral substrates are:

- Fair faced concrete, masonry, cementitious renders, stone, etc.

**Important:** On substrates with a rough surface profile, it will be difficult to produce an even coating thickness. This may result in reduced protection and cleanability. Pre-levelling or smoothing the surface is recommended before coating application.

Note: For surface levelling, filling blow holes or repairs to concrete, masonry and cementitious render, use suitable products from the Sika MonoTop® / SikaRep® range.

- Substrate must be clean, dry, sound and free of all contaminants such as dirt, oil, grease and loose friable material which can reduce the adhesion of the coating.
- Prepare the substrate using suitable mechanical preparation equipment such as abrasive sanding tools, steam cleaning, blast cleaning or low / high - pressure water jetting.

### 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:** On rough substrates, use a brush to apply primer and make sure the primer covers all the surface including voids.

Note: To prevent air bubbles affecting the finish, do not 'over' brush, roller or spray.

Apply Sikagard®-850 Primer evenly over the prepared coating with a brush, fleece roller or airless spray equipment at the required consumption rate.

### CLEANING OF EQUIPMENT

Clean all tools and application equipment with white spirit immediately after use. Hardened material can only be mechanically removed.

### 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.

### DIRECTIVE 2004/42/CE LIMITATION OF EMISSIONS OF VOC

According to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / h type sb) is 750 g/l (Limits 2010) for the ready to use product.

The maximum content of Sikagard®-850 Primer is ≤ 750 g/l VOC for the ready to use product.

### 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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