

## PRODUCT DATA SHEET

# Sikagard®-843

General purpose underbody protective coating

**TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)**

<b>Chemical base</b>		Water-based asphalt emulsion
<b>Color (CQP001-1)</b>	wet dry	Dark brown Black
<b>Cure mechanism</b>		Water evaporation
<b>Density (uncured)</b>		1.14 kg/l (9.5 lb/gal)
<b>Solid content (CQP002-1)</b>		50 %
<b>Application temperature</b>		10 – 40 °C (50 – 104 °F)
<b>Film thickness</b>	wet dry	1 mm (40 mil) 0.5 mm (20 mil)
<b>Drying time</b>	to touch	1 hour <sup>A</sup>
<b>Service temperature</b>		-40 – 140 °C (-40 – 284 °F)
<b>Shelf life</b>		12 months <sup>B</sup>

CQP = Corporate Quality Procedure

<sup>A</sup>) 23 °C (73 °F) / 50 % r.h.<sup>B</sup>) stored at 24 °C (75 °F)
**DESCRIPTION**

Sikagard®-843 is a non-fibered asphalt emulsion specifically formulated for use as a protective underbody coating. It provides a preventative corrosion barrier for transport applications.

**PRODUCT BENEFITS**

- Anti-corrosion barrier to protect the underbody of transportation equipment
- Can be applied up to 1 mm (40 mil) on vertical surfaces without sagging
- Visual color change as material dries
- Fast drying for improved throughput
- Cleans easily with water

**AREAS OF APPLICATION**

Sikagard®-843 is a general purpose coating that acts as a moisture barrier to provide protection against corrosion. It is designed for use as an underbody coating for the transportation market in applications such as trailers, RV, bus, and truck.

This product is suitable for experienced professional users only.

Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

**PRODUCT DATA SHEET**

Sikagard®-843

Version 02.01 (03 - 2026), en\_US

013613018430001000

## CURE MECHANISM

Sikagard®-843 hardens by evaporation of water and physical film formation.

## CHEMICAL RESISTANCE

Sikagard®-843 is generally resistant to fresh water and seawater. It is not resistant to oils, greases, and solvents.

The above information is offered for general guidance only. Advice on specific applications will be given on request.

## METHOD OF APPLICATION

### Surface Preparation

Surfaces must be clean, dry and free of rust, dust and grease.

### Application

Sikagard®-843 can be applied to small areas with a spatula or brush. For larger areas airless spraying equipment is recommended. Usually double-action stainless steel pump systems are used.

For airless spraying application, different nozzle types are available on the market. The choice of the nozzle depends from the desired coverage and finishing and must be determined by application tests.

A coverage of 500 µm (20 mil) dry thickness is in general sufficient for corrosion protection applications. In case of critical areas higher thickness levels may be applied.

Applied coating must be sufficiently dried before exposure to freezing or wet conditions. The exact waiting time must be determined by project related tests. The dry time can be decreased significantly with a proper ventilation.

Sikagard®-843 tends to display some evaporation condensation (liquid water layer on top of the material) as it ages. Therefore, for the best results, it is recommended that the product be mechanically agitated, for not more than 15 minutes, to ensure that it is homogeneous prior to application. Do NOT continuously agitate the material, as this can damage it.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

## Removal

Fresh Sikagard®-843 can be removed from tools and equipment with water. Once dried, the material can only be removed mechanically.

Hands and exposed skin have to be washed immediately using a suitable industrial hand cleaner and water.

Do not use solvents on skin.

## Application Limits

Since the Sikagard®-843 is a water-based product, it must be protected from freezing at all times. If the material is subjected to freezing temperatures and becomes damaged, it will display a lumpy / cottage cheese like appearance and must NOT be used. Additionally, do NOT apply Sikagard®-843 to substrates that are at temperatures below 0 °C (32 °C).

## STORAGE CONDITIONS

Sikagard®-843 has to be kept between 10 °C and 30 °C (50 °F and 86 °F) during storage. Protect from freezing.

## FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets

## PACKAGING INFORMATION

Pail	5 gal (US)
Drum	53 gal (US)
Tote	275 gal (US)

## BASIS OF PRODUCT DATA

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

## ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

## LEGAL DISCLAIMER

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at [usa.sika.com](http://usa.sika.com) or by contacting SIKA's Technical Service Department via email at [tsmh@us.sika.com](mailto:tsmh@us.sika.com). Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs. **NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling +1 800-933-7452.

## PRODUCT DATA SHEET

Sikagard®-843

Version 02.01 (03 - 2026), en\_US  
013613018430001000

## Sika Corporation

30800 Stephenson Highway  
Madison Heights, MI 48071  
U.S.A.

Telephone: +1 248-577-0020

Email: [tsmh@us.sika.com](mailto:tsmh@us.sika.com)

[www.sikausa.com](http://www.sikausa.com)

