

PRODUCT DATA SHEET

Sikagard®-842 HV

Water-based sound-deadening and chip protection underbody coating

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Water-based acrylic dispersion
Color (CQP001-1)	White
Cure mechanism	Water evaporation
Density (uncured)	1.60 kg/l (13.4 lb/gal)
Solid content (CQP002-1)	75 %
Viscosity	Rheolab QC PP 25 rotational at 1 s ⁻¹ 125 Pa·s ^A
Application temperature	5 – 35 °C (41 – 95 °F)
Film thickness	for stone-chip protection (wet) >750 µm (30 mil)
Loss factor (ISO 6721-3)	4 kg/m ² (dry) applied on mild steel, 20°C, 200 Hz 0.24 ^B
Chip Resistance (SAE J400)	Method B at -35 °C (-31 °F) 10 ^C
Service temperature	-40 – 120 °C (-40 – 248 °F)
Shelf life	9 months

CQP = Corporate Quality Procedure

^A 23 °C (73 °F) / 50 % r. h.^B Steel: 1 mm thick, 14.5 mm wide, and 200 mm free length; coating applied at 3500 µm (wet) thickness^C 0.050" thick 5052 aluminum with coating applied at 750 µm (wet) thickness**DESCRIPTION**

Sikagard®-842 HV is a water-based sprayable underbody coating based on an acrylic dispersion. It is used in commercial vehicle manufacturing to dampen structure-borne noise. Sikagard®-842 HV can also provide stone chip protection to enhance the performance of existing primary corrosion-protection coatings for vulnerable parts.

PRODUCT BENEFITS

- High resistance to chipping
- Very good sound-deadening performance
- Low water take-up
- Thick-layer spray application without dripping or sagging
- Solvent- and halogen-free

AREAS OF APPLICATION

Sikagard®-842 HV is used for the reduction of structure-borne noise in commercial vehicles. It also provides stone-chip protection for vulnerable parts of the vehicle such as sills, wings, wheel arches and other parts.

It exhibits good adhesion on many coatings and primers used in the transportation industry. This product is suitable for experienced professional users only.

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

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Version 01.01 (05 - 2026), en_US

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CURE MECHANISM

Sikagard®-842 HV hardens by evaporation of water and physical film formation.

CHEMICAL RESISTANCE

Sikagard®-842 HV is generally resistant to fresh water, seawater, oils, diluted acids and bases.

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

METHOD OF APPLICATION

Surface Preparation

Sikagard®-842 HV is not to be used as corrosion protection, therefore it is mandatory that metal substrates carry an adequate corrosion protection, such as coating, galvanization, etc.

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

Application

Sikagard®-842 HV can be applied to small areas with a spatula. 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 to 1000 µm (20 mil to 40 mil) dry thickness is in general sufficient for underbody stone-chip 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.

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

Removal

Fresh Sikagard®-842 HV 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.

STORAGE CONDITIONS

Sikagard®-842 HV has to be kept between 5 °C and 30 °C (41 °F and 86 °F) during storage.

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

Drum	250 kg
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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 or by contacting SIKA's Technical Service Department via email at 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.

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