

# PRODUCT DATA SHEET

## SIKACOAT® S450

Sikacoat® S450 is a one component, nonshrink, advanced technology polyurethane sealant. It is semi self-leveling so that it can be used to seal vertical seams and fasteners on metal roofs with minimal tooling. It can also be used to fill pourable sealer pockets.

### PRODUCT INFORMATION

#### USES

For sealing vertical seams and fasteners on metal roofs. Can be used to fill pourable sealer pockets.

#### AREAS OF APPLICATION

- Metal roof seams and fasteners
- Pourable sealer pockets

#### FEATURES / BENEFITS

- Semi self-leveling for minimal tooling
- Convenient packaging
- 100% solids so will not shrink
- Low VOC

### PRODUCT DATA

#### FORM

#### COMPOSITION

Sealant

#### COLOR

White

#### VOC CONTENT

8 g/l

#### PACKAGING

28 fluid ounce (828 ml) disposable cartridge (12 cartridges per case),  
37 lbs (16.8 kg) per case, 45 cases per pallet

#### STORAGE

#### STORAGE CONDITIONS

Store materials in a dry area between 40°F (5°C) and 100°F (38°C) with careful handling to prevent damage to products. Do not store at high temperatures or in direct sunlight. Protect all materials from damage during transit, handling, storage, and installation.

**PRIOR TO EACH USE OF ANY SIKA PRODUCT, THE USER MUST ALWAYS READ AND FOLLOW THE WARNINGS AND INSTRUCTIONS ON THE PRODUCT'S MOST CURRENT PRODUCT DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET WHICH ARE AVAILABLE ONLINE AT [USA.SARNAFIL.SIKA.COM](http://USA.SARNAFIL.SIKA.COM) OR BY CALLING SIKA SARNAFIL'S TECHNICAL SERVICE DEPARTMENT AT 800-451-2504. NOTHING CONTAINED IN ANY SIKA 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 DATA SHEET, PRODUCT LABEL AND SAFETY DATA SHEET PRIOR TO PRODUCT USE.**

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**SHELF LIFE**

12 months if stored properly in original unopened, sealed and undamaged packaging.

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**TECHNICAL DATA****TYPICAL PHYSICAL PROPERTIES\***

Solids by Volume, %: 100

Non-volatile, %: 100

Elongation, ASTM D412 @ 77°F (25°C): 400

Tensile Strength, psi: 400 psi (2756 k/Pa)

Flash Point: None

\*Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

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**SYSTEM INFORMATION****APPLICATION INSTRUCTIONS****SURFACE PREPARATION**

All surfaces must be clean and free of dirt, grease, oil, or other contaminants or particulates that would interfere with proper adhesion. Power wash metal roof surfaces with Sikacoat W400 prior to the application of Sikacoat S450. Allow the surface to completely dry prior to applying any Sikacoat products.

**APPLICATION METHOD / TOOLS**

Apply Sikacoat S450 by a standard quart size caulk gun. Cut the cartridge tip, puncture the inner seal and apply as desired. Allow S450 to cure at least 24 hours before applying Sikacoat products.

**COVERAGE**

- Metal Roof Seams: 33 ft (10.1 m) per tube
  - Metal Roof Fasteners: 100 per tube
  - Pourable Sealer Pockets: 48.5 cubic inches (794.8 cm<sup>3</sup>) per tube
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**PRODUCT LIMITATIONS****LIMITATIONS**

Precautions should be taken to prevent odors and/or vapors from entering the building/structure, including but not limited to turning off and sealing air intake vents or other means of ingress for odors and/or vapors into the building/structure during product application and cure.

- Do not apply Sikacoat S450 when surface or air temperature is below 40°F (5°C), or if cold weather or freezing conditions, rain, heavy dew, moisture or fog is expected within 48 hours of application.
  - The recommended application temperature for Sikacoat S450 is between 40°F (5°C) and 100°F (38°C).
  - For cold weather, condition cartridges at approximately 70°F (21°C) and maintain that temperature until just prior to use.
  - Do not apply over damp surfaces as this will affect adhesion and may lead to bubbling within the sealant.
  - Use open cartridges the same day.
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**AVAILABILITY**

From Authorized Applicators when used within Sikacoat roof coating systems.

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**MAINTENANCE**

Standard maintenance of roofs should include regular inspection of flashings, drains and termination sealants at least twice a year and after

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each storm.

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**WARRANTY**

As a Sika supplied accessory, Sikacoat S450 is covered under Sika Corporation warranties.

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**LEGAL NOTES**

All information provided by Sika Corporation ("Sika") concerning Sika products, including but not limited to, any recommendations and advice relating to the application and use of Sika products, is given in good faith based on Sika's current experience and knowledge of its products when properly stored, handled and applied under normal conditions in accordance with Sika's instructions. In practice, the differences in materials, substrates, storage and handling conditions, actual site conditions and other factors outside of Sika's control are such that Sika assumes no liability for the provision of such information, advice, recommendations or instructions related to its products, nor shall any legal relationship be created by or arise from the provision of such information, advice, recommendations or instructions related to its products. The user of the Sika product(s) must test the product(s) for suitability for the intended application and purpose before proceeding with the full application of the product(s). Sika reserves the right to change the properties of its products without notice. All sales of Sika product(s) are subject to its current terms and conditions of sale which are available at [usa.sarnafil.sika.com](http://usa.sarnafil.sika.com) or by calling 800-451-2504.

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