

PRODUCT DATA SHEET

SIKASIL[®] SG-15

Sikasil[®] SG-15 is a versatile one-component, non-sag, elastomeric, neutral cure silicone sealant used in Sarnafil[®] and Sikaplan[®] roofing and waterproofing system details.

PRODUCT INFORMATION

USES

For Sarnafil and Sikaplan roofing and waterproofing system details

AREAS OF APPLICATION

- Wall and curb terminations
- Pipe penetrations
- Metal flashings

FEATURES / BENEFITS

- Compatible with Sarnafil and Sikaplan membranes
- Excellent resistance to aging and weathering
- Easy to apply from the cartridge and does not sag
- Excellent flexibility and elongation properties
- Bonds to most common building materials

TESTS

APPROVAL / STANDARDS

- Meets Federal Specification TT-S-0023C, Type II, Class A
- Meets ASTM C-920, Type S, Grade NS, Class 25
- Meets ASTM C1184 Structural Silicone Sealant

PRODUCT DATA

FORM

COMPOSITION

Silicone sealant

COLOR

Gray

VOC CONTENT

36 g/l

PACKAGING

10 fluid ounce (295 ml) disposable cartridge, 24 cartridges per case,
18.4 lbs (8.4 kg) per case

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STORAGE**STORAGE CONDITIONS**

Keep container closed and store away from water or moisture or oxidizing materials.

SHELF LIFE

12 months in an unopened cartridge

TECHNICAL DATA**TYPICAL PHYSICAL PROPERTIES***

Shelf Life, storage below 80°F (32°C): 12 months

Service Temperature: -80°F (-62°C) to 350°F (176°C)

Curing Rate:

Tack-free Time, 77°F (25°C) / 50% r.h.: 25 minutes

Skin Time, MNA Method: 15 minutes

Curing Speed, MNA Method: 1/8 in (3.2 mm) in 24 hours

Tear Strength, ASTM D624: 55 lb./in. (9.63 N/mm)

Shore A Hardness, ASTM C-661: 18±5

Tensile Properties, ASTM D412:

Tensile Stress: 210 psi (1.45 MPa)

Elongation at Break: 650%

Chemical Resistance: Resistant to UV radiation, fresh water, seawater, and proprietary aqueous cleaning agents; temporary resistance to fuels, mineral oils, vegetable and animal fats and oils; no resistance to organic acids, concentrated mineral acids, caustic solutions and solvents.

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

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

Surfaces must be sound, clean, dry, frost-free, and free of oil, grease, or incompatible sealers, paints, or coatings that may interfere with adhesion.

Clean porous substrates by mechanical methods to expose a sound surface free of contamination.

Clean non-porous substrates with Sika's Seam Cleaner. Allow Seam Cleaner to evaporate completely prior to sealant application. Follow Seam Cleaner instructions for safe handling.

APPLICATION METHOD / TOOLS

Apply Sikasil SG-15 to dry, clean surfaces. Use an air operated or hand operated cartridge gun. Do not break cartridge seal until just before use.

The sealant normally skins in 10 to 20 minutes, dries to touch in 1 hour, and bonds in 24 hours. Sikasil SG-15 cures by reaction with atmospheric moisture. At low temperatures the water content of the air is lower and the curing reaction proceeds more slowly.

Tool Sikasil SG-15 to ensure maximum adhesion. Dry tooling is recommended. Do not use soap or oil as a tooling aid. Tooling should be completed in one continuous stroke. Tool immediately after sealant is applied and before a skin begins to form. Complete tooling of product within 5 minutes of application.

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COVERAGE

15 linear feet (4.6 m) of 3/8 inch (9.5 mm) bead per cartridge.

PRODUCT LIMITATIONS**LIMITATIONS**

- Apply Sikasil® SG-15 when air and substrate temperature is between 40°F - 105°F (4°C - 40°C).
 - Sikasil SG-15 may be applied below freezing temperatures if substrates are completely dry, frost free, and clean.
 - Do not apply when substrate temperatures are below -20°F (28°C) or above 130°F (54°C).
 - Do not allow sealant to come in contact with solvent or curing polyurethane sealants during cure.
 - Not intended for immersion.
 - Do not use in drain details.
 - Do not use as sealant around reinforcing steel or dowels that are located on the structural deck.
 - Do not apply to surfaces that will be painted.
 - Do not apply to substrates that bleed oil or solvent.
 - Do not apply to damp or wet substrates.
 - Lower temperatures and humidity will extend tack free and cure rates.
 - Allow treated wood to age six months before application.
 - Brass, copper, and porous surfaces such as concrete, masonry, and natural stone may be discolored or stained. Test prior to application.
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AVAILABILITY

From Authorized Applicators when used within Sarnafil or Sikaplan roofing and waterproofing systems.

MAINTENANCE

Standard maintenance of roofs should include regular inspection of flashings, drains and termination sealants as well as pourable sealer pockets at least twice a year and after each storm.

WARRANTY

Sika will replace defective Sikasil SG-15 material provided the defect is identified by the Sika Authorized Applicator and acknowledged by Sika during the time of original installation and application. Maintenance of this sealant or of any other sealant after the original installation and application is not covered by the Sika Corporation warranties.

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