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## PRODUCT DATA SHEET

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# Sika® Silbridge-300

Extruded, ultra low modulus, elastomeric silicone profile

### PRODUCT DESCRIPTION

Sika® Silbridge-300 is an extruded, ultra low modulus, elastomeric silicone profile that is usually bonded to substrates using Sikasil® WS-295 sealant as an adhesive. Sika® Silbridge-300 comes in a variety of standard shapes, colors and sizes and is successfully used in various applications.

### USES

Sika® Silbridge-300 extruded profiles are specifically designed for numerous applications including but not limited to:

- Expansion joint seals (new & remedial construction)
- Window perimeter joint seals
- Roofing Seals
- Fillet beads, coping joints and window seals (custom design)
- EIFS systems renovation
- Metal Curtain Wall

### CHARACTERISTICS / ADVANTAGES

- High tear resistance
- Ease of installation
- Color fast formulation
- Wide operational temperature range
- Non corrosive and corrosion resistant
- Resistant to ultraviolet exposure and weathering
- Capable of sealing high movement joints
- Reduces stress at bond-line making it well suited for soft and sensitive substrates such as EIFS
- Rapid cure of thin adhesive layer allows for early movement of substrates
- Economical alternative to cutting out existing failed sealant
- Unaffected by Ozone
- Unaffected by Radiation

### PRODUCT INFORMATION

<b>Packaging</b>	Standard thickness approximately 2 mm. For widths of 1", 1.5", 2", 3", 4", 6", 7", 8", 9", rolls are 100' lengths, For widths of 10", 11", 12", rolls are 50' lengths.
<b>Appearance / Color</b>	White, Black, Limestone, Aluminum Gray, Colonial White, and Bronze, and Medium Bronze. Custom colors available upon request
<b>Shelf Life</b>	n/a
<b>Storage Conditions</b>	n/a

### TECHNICAL INFORMATION

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020511090000000006

<b>Shore A Hardness</b>	25 ± 5	(ASTM D-2240)
<b>Tensile Strength</b>	425 psi (2.93 MPa)	(ASTM D-412)
<b>Elongation at Break</b>	950 % +	(ASTM D-412)
<b>Tear Propagation Resistance</b>	Pass Movement Class: 200 % Tear Class: PT (Knotty Tear) Tear Strength: 70 lb/in + (12.2 N/mm +)	(ASTM C-1518-02) - - (ASTM D-624) (Die B)
<b>Movement Capability</b>	200 % Elongation; 75 % Compression	(ASTM C-1518-02)
<b>UV Exposure</b>	Unaffected	
<b>Service Temperature</b>	-60–300 °F (-50–150 °C)	

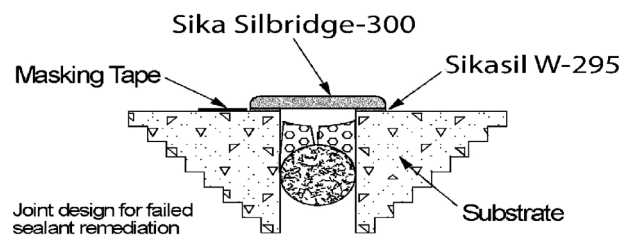
## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Porous surfaces should be cleaned with dry, oil free compressed air. Grinding or abrasion may be necessary to remove materials that may interfere with the sealant adhesive. If the substrate is cleaned with pressurized water, use caution to prevent water from entering the structure through the open joint. Ensure that all cleaning agents are completely removed and allow the substrate to adequately dry before applying the Sikasil WS-295 and the Sika® Silbridge-300 profile. Make sure to follow sealant adhesion guidelines of Sikasil WS-295 product data sheet. Non porous surfaces should be cleaned with an appropriate solvent using the two-cloth method.

### APPLICATION METHOD / TOOLS

Apply a bead of Sikasil WS-295 in a straight line near the outside edge to be covered by Sika® Silbridge-300. Allow enough space for the sealant adhesive to squeeze out to the edge of the extrusion and then stop. The bead should be approximately 1/8 (3.2 mm) to 1/4 in. (6.3 mm) in diameter depending on the uniformity of the substrate. Non porous surfaces such as glass or aluminum require less sealant adhesive, porous substrates such as grout or EIFS require more. Next, unroll the appropriate length of Sika® Silbridge-300 strip and place it uniformly spaced over the joint to be sealed. To ensure uniform appearance, a flat piece of styro-foam can be used to press the extrusion firmly into place. If the application is on a smooth surface, a roller may be used to ensure a uniform wet-out of Sika® Silbridge-300 along with the Sikasil WS-295. Clean or tool-off any excess sealant adhesive from the edges of the extrusion and substrate. Trim ends and terminate with a bead of sealant. Always apply horizontal joints before vertical joints. At intersections simply overlap the vertical Sika® Silbridge-300 strip over the horizontal and ensure a proper seal by applying enough sealant adhesive.



## CLEANING OF TOOLS

### Clean Up

Uncured material can be removed with approved solvent. Cured material can only be removed mechanically. For spillage, collect, absorb, and dispose of in accordance with current, applicable local, state, and federal regulations.

## AVAILABILITY/WARRANTY

### Caution

#### For Sikasil W-295

Material Safety Data Sheets are available upon request from Sika Corporation. Similar information for solvents and other chemicals used with Sika products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed.

## LIMITATIONS

Sika® Silbridge-300 profile should not be used under the following conditions:

- Below grade or below water line applications
- Joints where physical abrasion and abuse may occur, such as traffic joints
- In association with building materials that bleed oils, plasticizers or other material.
- Do not coat with non silicone based coatings.
- Should not be bonded with low modulus silicone sealant.

## BASIS OF PRODUCT DATA

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

## OTHER RESTRICTIONS

See Legal Disclaimer.

## 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.

Sika Corporation

Sika Mexicana S.A. de C.V.



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## LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

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 calling SIKA's Technical Service Department at 1-800-933-7452. 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.**

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