

Sika® SilBridge-300

Description Sika Silbridge-300 products are extruded ultra low modulus elastomeric silicone profile that are usu-ally 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..

Where to Use 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

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

Packaging Standard thickness approximately 2 mm.

Extrusion Width (in.)	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	7	8	9	10	11	12
Roll Length (ft.)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50

Typical 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.

Hardness, Shore A (ASTM D-2240)	25 ± -5
Tensile Strength (ASTM D-412)	425 psi (2.93 MPa)
Tear Strength (ASTM D-624) (Die B)	70 lb/in + (12.2 N/mm +)
Elongation at Break (ASTM D-412)	950% +
Joint Movement Capability (ASTM C-1518-02)	200% Elongation 75% Compression
Operational Temperature	-60°F to 300°F (-50°F to 150°C)
Colors	White, Black, Limestone, Aluminum Gray, Colonial White, and Bronze, and Medium Bronze. Custom colors available upon request.
UV Resistance	Unaffected
Ozone Resistance	Unaffected
Radiation	Unaffected
Tear Propagation (ASTM C-1518-02)	Pass Movement Class:200% Tear Class: PT (Knotty Tear)



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 [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING SIKA'S TECHNICAL SERVICE DEPARTMENT AT 800.933.7452 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.

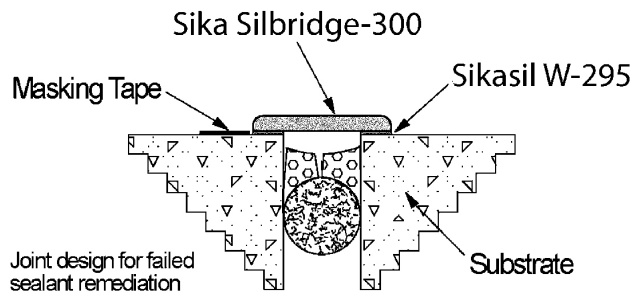
How to Use

Surface 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 pro-file. 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

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" to 1/4" 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.



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.

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.

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.

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

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

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 <http://usa.sika.com/> or by calling Sika's Technical Service Department at 800-933-7452. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instruction for each Sika product as set forth in the current Product Data Sheet, product label and Safety Data Sheet prior to product use.

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 shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. 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 SIKA'S TERMS AND CONDITIONS OF SALE AVAILABLE AT [HTTP://USA.SIKA.COM/](http://usa.sika.com/) OR BY CALLING 201-933-8800.

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