

PRODUCT DATA SHEET

Sika® Silbridge-410

Translucent, ribbed silicone transition strip

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Elastomeric silicone
Color (CQP001-1)	Translucent
Thickness	overall 0.8 mm (0.03 in) ribbed sections 1.5 mm (0.06 in)
Shore A hardness (ASTM D2240)	40
Tensile strength (ASTM D412)	5 MPa (720 psi)
Elongation at break (ASTM D412)	300 %
Tear strength (ASTM D624)	8 N/mm (45 pli)
Service temperature (CQP513-1)	-40 – 150 °C (-40 – 300 °F)
Shelf life	24 months ^A

CQP = Corporate Quality Procedure

^{A)} unopened container stored at < 25 °C (77 °F)

DESCRIPTION

Sika® Silbridge-410 is a pre-formed very low modulus elastomeric silicone seal for flashing and transition applications for weatherproofing against air and water infiltration. Sika® Silbridge-410 is usually bonded to substrates using Sikasil® WS-305 AM.

PRODUCT BENEFITS

- Thin cross-section for easier installation and irregular shapes
- Ribs ensure minimum sealant thickness
- Translucent material allows the installer to verify a proper sealant application
- Capable of sealing high movement transition joints
- Highly resistant to ultraviolet exposure and weathering
- Wide operational temperature ranges
- Non-corrosive and high corrosion resistance

AREAS OF APPLICATION

Sika® Silbridge-410 preformed silicone strips are specifically designed for a variety of applications that include, but are not limited to, the following:

- Window perimeter joint seals
- Bridging between window and/or curtain wall
- Sealing air and weather barriers to adjacent curtain walls, store fronts and windows

This product is suitable for professional experienced users only. Tests with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

PRODUCT DATA SHEET

Sika® Silbridge-410

Version 02.01 (03 - 2023), en_US

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CHEMICAL RESISTANCE

In case of chemical exposure concerns conduct project related testing.

METHOD OF APPLICATION

Surface Preparation

Porous surfaces must be cleaned with dry, oil free compressed air. Grinding or abrasion may be necessary to remove materials that may interfere with the Sikasil® WS-305 AM. 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-305 AM and the Sika® Silbridge-410 strip. Make sure to follow the sealant adhesion guidelines of the Sikasil® WS-305 AM product data sheet. Non-porous surfaces must be cleaned with an appropriate solvent using the two-cloth method.

Application

Apply a bead of Sikasil® WS-305 AM in a straight line near the outside edge to be covered by Sika® Silbridge-410. Allow enough space for Sikasil® WS-305 AM to squeeze out to the edge of the extrusion and then stop. Depending on the uniformity of the substrate, it is recommended that a 3 mm to 6 mm (1/8 to 1/4 in) diameter bead of Sikasil® WS-305 AM be applied. Non-porous surfaces such as glass or aluminum require less Sikasil® WS-305 AM, porous substrates such as stucco or EIFS require more. Next, unroll the appropriate length of Sika® Silbridge-410 strip and place it uniformly spaced over the joint to be sealed. To ensure uniform appearance, a flat piece of styrofoam 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-410 along with the Sikasil® WS-305 AM.

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-410 strip over the horizontal and ensure a proper seal by applying enough Sikasil® WS-305 AM.

Application Limits

Sika® Silbridge-410 profile shall 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

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 upon request:

- Safety Data Sheets

PACKAGING INFORMATION

Sika® Silbridge-410 is sold in 100 ft rolls that are available in 6 in and 8 in widths. Contact your local Sika sales representative or distributor for detailed information about available size options.

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.

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.** Sale of SIKA products are subject to the Terms and Conditions of Sale which are available at <https://usa.sika.com/en/group/SikaCorp/termsandconditions.html> or by calling +1 800-933-7452.

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