

SikaLastomer®-511

Non-Skinning Butyl Sealant for Standing Seam Roofs

Technical Product Data (typical values)

Chemical base	Butyl
Colour	Off-white
Density (uncured)	1.31 ± 0.01 kg/L
Total solids	85% minimum
Flexibility (AAMA 800-92 (ASTM C 734))	No cracking and or loss of adhesion at -51°C
Staining (ASTM D 925)	No deterioration of painted surface to Galvalume®, Galvanized, SPE, and Kynar 500®
Slump (ASTM D 2202)	0.1" @ 50°C, 0.2" @ 70°C
Skin formation time ¹⁾	Soft, tacky, and engageable for up to 6 months after initial application
Shrinkage (ASTM D 2453)	16%
Corrosivity	No darkening, etching, or salt deposits on metal
Heat aging (ASTM C-792-75, C-661-91, D 2240-92)	No cracking / chalking
Static water head test (MBMA ice damming)	Passed up to 6" after 24 hours using a double lok or triple lok panels
Water Penetration (ASTM E 1646)	No water leakage (on a triple lok or double lok panels)
Service temperature	permanent -51°C to 104°C
Shelf life (storage below 25°C)	12 months from date of manufacture in unopened container

¹⁾ 23°C / 50% r.h.

Description

SikaLastomer®-511 is a high solids, non-hardening, non-drying, non-oxidizing, butyl rubber-based sealant designed for factory sealing the female lip of standing seam roof and wall panels, and concealed endlaps. It has excellent adhesion to oily Galvalume®, Galvalume® Plus, KYNAR 500®, aluminized metal, ZINCALUME®, siliconized polyester and polyvinyl fluoride painted metals. It will not corrode

Galvalume®, Galvalume® Plus, or copper. Its permanent surface tack allows factory caulked panels to be bonded in the field up to six (6) months after initial application, depending upon the temperature at which the panels are stored. Metal panels can be easily separated after extended periods for repair and maintenance. It has excellent pumpability and gunnability at low temperatures, as well as clean "cut-off" properties, eliminating stringing

from application by extrusion. It is formulated without asbestos fillers. Unopened cartridges, pails and drums of SikaLastomer® 511 have a 12 month shelf life from data of manufacture.

SikaLastomer®-511 is manufactured in accordance with ISO 9001 / 14001 quality assurance system.

Industry



Product Benefits

- Passes AAMA 800-92 Sec. 1.5.4.4
- Excellent adhesion to oily to Galvalume®, Galvalume® Plus, KYNAR 500®, aluminized metal, AINCALUME®, siliconized polyester and polyvinyl fluoride painted metals.
- Excellent pumpability and gunnability.
- Permanent surface tack allows factory caulked panels to be bonded in field up to 6 months after initial application.
- No presence of voids, cracks, separation or breakdown of the compound.

Areas of Application

SikaLastomer®-511 will adhere to the mating surface and flow into the panel joint at erection temperatures ranging from -23°C to 60°C. Excellent for sealing between dissimilar metals to prevent electrolysis. SikaLastomer®-511 contains a special additive which inhibits a broad spectrum of microbial activity. It is capable of application speeds of 200 feet per minute in a 3/16 inch diameter bead using standard production pumping equipment. We recommend using a Graco 55:1 (minimum) ratio pump.

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

Method of Application

Surface preparation

Advice on specific applications is available from the technical service department of Sika Canada.

Application

For advice on selecting and setting up a suitable pump system, please contact the technical service department of Sika Canada.

Clean up

SikaLastomer®-511 can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent.

Following use wash hands with soap and water. Do not use solvents!

Further Information

Copies of the following publications are available on request:

- Material Safety Data Sheets

Packaging Information

Cartouche	300 mL
Pail	19 L
Drum	195 L

Value Basis

All technical data stated in this Product Data Sheet and laboratory test based. Current measured values may vary due to factors beyond our control.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the current Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data for the appropriate type of substance.

All Product Data Sheets and Material Safety Data Sheets are also available on our web site.

Legal Notes

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet.

Further information available at:
www.sika.ca

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Pointe-Claire : ISO 14001:2004 certified EMS

The Sika logo consists of the word "Sika" in a bold, yellow, sans-serif font, with a registered trademark symbol (®) to its right. The logo is set against a red triangular background.