Product Data Sheet
Version 2/8/08

Industry

SikaLastomer®-511

Non-Skinning Butyl Sealant for Standing Seam Roofs

Technical Product Data (typical values)

Chemical base	Butyl
Color	Off-white
Density (uncured)	10.9 +/- 0.05 lbs/gal
Total solids	85% minimum
Flexibility AAMA 800-92 (ASTM C 734)	No cracking or loss of adhesion at - 60°F (-51°C)
Staining (ASTM D 925)	No deterioration of painted surface to Galvalume, Galvanized, SPE, and Kynar 500
Slump (ASTM D 2202)	0.1" @ 122°F 0.2" @ 158°F
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 panel
Water Penetration (ASTM E 1646)	No water leakage (on a double lok or triple lok panel)
Service temperature permanent	-60°F to 220°F (-51°C to 104°C)
Shelf life (storage below 80°F (27°C))	12 months from date of manufacture in unopened container

[1)] 73°F (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 and the responsible care program.

Product Benefits

- Passes AAMA 800-92 Sec. 1.5.4.4
- Excellent adhesion to oily 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 -10°F to 140°F (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 experienced professional users only. Tests 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 Industry.

Application
For advice on selecting and setting up a suitable pump system please contact the System Engineering Department of Sika Industry.

Removal
SikaLastomer®-511 may be removed from tools and equipment with mineral spirit or another suitable solvent.
Following use wash hands with soap and water. Do not use solvents on hands!

CAUTION: IRRITANT.
May cause skin/eye/respiratory irritation. Vapors may cause respiratory tract irritation. Avoid breathing vapors. Use with adequate ventilation. Avoid skin and eye contact. Safety goggles and rubber gloves are recommended.

HMIS

Health	1
Flammability	2
Reactivity	0
Personal Protection	C

First Aid Measures

In case of skin contact, wash thoroughly with soap and water. Remove contaminated clothing. For eye contact, flush immediately with plenty of water for at least 15 minutes, and consult a physician. For respiratory problems, remove person to fresh air. If breathing has stopped, institute artificial respiration. Consult with a physician. If swallowed do not induce vomiting. Call a physician immediately.

Further Information

Copies of the following publications are available on our website www.sikaindustry.com:
-Material Safety Data Sheets
-Product Data Sheet
-Sika Primer Chart
-General guidelines for bonding and sealing with Sika products

In case of emergency call:
Chemtrec: 800-424-9300
International: 703-527-3887

For further information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety related data. It is highly recommended to read the actual Material Safety Data Sheet before using the product.

-KEEP OUT OF REACH OF CHILDREN
-NOT FOR INTERNAL CONSUMPTION
-FOR INDUSTRIAL USE ONLY

Packaging Information

Cartridge	10.1 fl. oz.
Pail	5 gal
Drum	51 gal

Value Basis

All technical data stated on this Product Data Sheet are based on the results of laboratory tests only. Actual measured data in the field may vary due to site specific conditions which are not known to Sika and beyond our control.

Clean Up

In case of spill, collect with absorbent material, and place in suitable container for disposal. Dispose of in accordance with current, applicable local, state and federal regulations.

Limited Material Warranty

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 IMPLIED OR EXPRESS 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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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 Material Safety

Further information available at:
www.sikaindustry.com

Sika Corporation
Industry Division
30800 Stephenson Highway
Madison Heights, MI 48071
USA
Tel. 248 577 0020
Fax 248 577 0810

Data Sheet which are available at www.sikaindustry.com. 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 Material Safety Data Sheet prior to product use.

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