

SikaLastomer®-511 (Formerly Sika Mastic SNB)

Non-Skinning Butyl Sealant

Technical Product Data (typical values)

Chemical base	Butyl
Color	Off-white
Density (uncured)	1.3 +/- 0.6 kg/l
Total solids	85% minimum
Flexibility AAMA 800-92 (ASTM C 734)	No cracking 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)	2.54 mm @ 50°C 5.08 mm @ 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 152.4 mm 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 -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. Particularly suited for use in sandwich panel freezer and cool store construction. Also ideal for sealing marine deck fittings and hardware where future disassembly could be required. NB: Not recommended as an underwater sealant.

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. SikaLastomer®-511 has been formulated for any smooth surface where an effective water and vapour barrier across a joint is required. Its permanent surface tack allows factory caulked panels to be bonded in the field

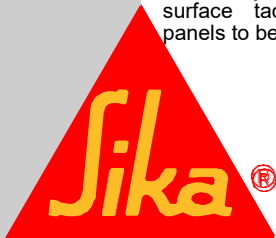
up to six (6) months after initial application, depending upon the temperature at which the panels are stored. Metal panels can be easily separated after extended periods for repair and maintenance. It has excellent pumpability and gunnability at low temperatures, as well as clean "cut-off" properties, eliminating stringing from application by extrusion. It is formulated without asbestos fillers. Unopened cartridges of SikaLastomer®-511 have a 12 month shelf life from date 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.

Industry



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 4.76 mm 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

Substrate Preparation

All surfaces must be clean, dry and grease free. For specific surface preparation please contact Sika's Technical Department.

Application Method / Tools

Cut end off cartridge nozzle at a 45° angle to give a 5-6mm bead. Fit cartridge into a Sika Skeleton or Trade gun and extrude sealant.

Removal

SikaLastomer®-511 may 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 on hands!

Packaging Information

Cartridge	300 ml
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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.

Ecology Health & Safety

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data

Legal Notes/Disclaimer

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 in accordance with Sika's recommendations. 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products.

The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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.

Sika (NZ) Ltd
85-91 Patiki Road
Avondale, Auckland 1026
New Zealand
0800 745 269
www.sika.co.nz

