

PRODUCT DATA SHEET

SikaLastomer®-511

Non-skinning butyl sealant

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Butyl
Color (CQP001-1)	Off-white
Density (uncured)	1.09 kg/l
Staining (ASTM D925)	No staining on common substrates
Application temperature	ambient 5 – 40 °C
Slump (ASTM D2202)	1 mm ^A
Shrinkage (CQP014-1)	16 %
Effect of heat aging (ASTM C792)	11 % weight loss No cracking or chalking
Service temperature	-50 – 105 °C
Shelf life	cartridges / pails / drums 12 months ^B

CQP = Corporate Quality Procedure

^{A)} 23 °C / 50 % r. h.^{B)} stored below 25 °C**DESCRIPTION**

SikaLastomer®-511 is a non-skinning and non-corrosive butyl rubber-based sealant. In the field of metal roofing, it remains malleable so that the sealant can be factory dispensed and then joined in the field, depending upon the temperatures at which the panels are stored. Metal panels can be easily separated after extended periods for repair and maintenance.

PRODUCT BENEFITS

- Very good adhesion to common standing seam substrates
- Good pumpability and gunnability
- Panels can be bonded in the field up to 6 months after initial application
- Contains additive to inhibit a broad spectrum of microbial activity

AREAS OF APPLICATION

SikaLastomer®-511 is designed for factory sealing the female lip of standing seam roof and wall panels as well as concealed end laps. SikaLastomer®-511 will adhere to the mating surface and flow into the panel joint when assembly is constructed within a temperature range of -25 °C to 60 °C.

SikaLastomer®-511 can be installed onsite as a vapour seal in the centre of joints of insulated sandwich panels used to construct freezers and cool stores. The faces of these joints (typically inside and outside) are subsequently sealed with an elastomeric sealant, such as Sikasil® C (NZ).

SikaLastomer®-511 can also be used for sealing above-the-water line marine deck fittings and hardware where ease of future disassembly is required.

This product is suitable for experienced professional users only. Tests under actual processing conditions and with additional materials such as fibers and release agents must be performed to verify material compatibility.

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CHEMICAL RESISTANCE

The chemical resistance is influenced by several factors such as chemical composition, concentration, period of exposure and temperature. Therefore, project-related testing in case of chemical or thermal exposure is required.

METHOD OF APPLICATION

Surface preparation

The surface must be clean, free from dust, grease, oil and water.

Application

SikaLastomer®-511 must wet the entire bonding surface, without interruptions.

SikaLastomer®-511 can be processed with manual, pneumatic or electric driven piston guns as well as with adequate processing equipment. In case of pump equipment, it must be applied at application temperature between 5 °C and 40 °C.

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

Removal

SikaLastomer®-511 can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Do not use solvents on skin.

STORAGE CONDITIONS

SikaLastomer®-511 has to be stored below 25 °C in a dry place. If the product is stored below 10 °C, it is required to pre-condition the product to at least 15 °C prior to loading under the pump. This can be accomplished by storing the product for 48 hours at the assembly line prior to use. If the storage temperature is below 0 °C, the time to re-condition the product is substantially longer.

For transportation purposes, the storage temperature can be exceeded (up to 50 °C) for a period of two weeks maximum.

Note: Storage outside of standard conditions can affect the shelf life.

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 on request:

- Safety Data Sheets

PACKAGING INFORMATION

Cartridge	300 ml
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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.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and enduse 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.

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

