

SikaLastomer®-90

Isobutylene Tripolymer Tape

Technical Product Data (typical values)

Chemical base	Butyl
Color	Gray
Specific Gravity (ASTM D 792)	1.56 to 1.68
Total solids (ASTM C 771)	100%
Penetration (ASTM D 217) cone at 77°F / 300 gr.	70 to 85 (7.6 – 9.8 mm)
Flexibility (AAMA 800-92) (ASTM C 734)	No cracking or loss of adhesion at -60°F (-51°C)
Staining (ASTM D 925)	Will not stain painted or unpainted surfaces
Vehicle bleed out (ASTM C 771) 158°F (70°C) for 21 days	No exudation of vehicle on Whatman No. 40 filter paper
Application temperature product	-5°F to 120°F (-20°C to 49°C)
Tensile adhesive strength ¹ (ASTM C 907)	>17 psi min (predominantly cohesive failure)
Peel adhesion (ASTM D 3330 –modified 90° peel)	6 lbs/in. min (cohesive failure)
Corrosivity	No darkening, etching or salt deposits on GALVALUME®, KYNAR 500®, ZINCALUME®, aluminum, aluminized steel or galvanized metal
Weatherability (ASTM G 53) (1000 h exposure)	No cracking, bleeding or loss of rubbery characteristics
Service temperature permanent	-60°F to 212°F (-51°C to 100°C)
Shelf life (storage below 80°F/27°C)	18 months

¹⁾ 77°F (25°C)

Description

SikaLastomer®-90 Isobutylene Tripolymer Tape is a high performance, tacky elastic butyl tape designed to bond through oily GALVALUME®, KYNAR 500®, aluminized steel, ZINCALUME®, galvanized metal, aluminum, siliconized polyester and polyvinyl fluoride painted metals, glass, wood, concrete, fiber-reinforced plastics (FRP) and similar substrates. Its superior surface tack affords tenacious adhesion to these substrates without pre-wiping surfaces even at temperatures as low as -5°F (-15°C). Where superior tensile strength and extensibility (webbing/elongation) are critical, in both hot and cold climates, use SikaLastomer Isobutylene Tripolymer Tape rather than general purpose butyl tapes. SikaLastomer is formulated without asbestos fillers. SikaLastomer®-90 contains a special additive which inhibits a broad spectrum of microbial activity. SikaLastomer®-90 is manufactured in accordance with ISO 9001 / 14001 quality assurance system and the Responsible Care Program.

Product Benefits

- Resistance to fungus / mildew growth
- Almost odorless
- Paintable
- Will not stain painted or unpainted surfaces

Areas of Application

Specifically developed for sealing critical Standing Seam Roof (SSR) endlaps and lap joints for metal building roofs, skylights, roof curbs, smoke vents, air conditioning equipment, curtain wall joints and perimeter areas around windows and doors. Sealing exterior lap joints of grain storage bins and sealing the base to the concrete pad. Designed for sealing polyethylene sheeting and metal sewer pipes. Sealing exposed, concealed exterior lap joints of aluminum, steel, coated metals, wood, roof rails and door hinges in transport equipment. Waterproofs rivet seams and lap seams in truck trailers and RVs. Excellent for sealing between dissimilar metals to prevent electrolysis.

This product is suitable for experienced professional users only. Tests with actual substrates and conditions have to be

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performed to ensure adhesion and material compatibility.

Chemical Resistance

Excellent resistance to water, water vapor, ozone and alcohols. Fair to good resistance to weak acids and bases (including silage juice). Poor resistance to aliphatic, aromatic and ketone solvents and oils. The above information is offered for general guidance only. Advice on specific applications will be given on request.

Method of Application

Surface preparation

Advice on specific applications is available from the Technical Service Department of Sika Industry.

Removal

SikaLastomer®-90 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!

Meets following qualifications

Freight class: Caulking Compound, NOIBN, NMFC #149610, Class 55

HMIS

Health	0
Flammability	1
Reactivity	0
Personal Protection	A

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:

Chemtec: 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**

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

Packaging Information

Rolls	Multiple sizes
Endlap pads	Multiple sizes

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

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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