

PRODUCT DATA SHEET

Sikalastic®-103 SA Tape

Self-adhesive polymeric rubberised butyl tape with fleece facing

DESCRIPTION

Sikalastic®-103 SA Tape is a self-adhesive polymeric rubberised butyl sealing tape with release liner on the underside and fleece facing which to be coated by liquid applied waterproofing coatings. It enhances the strength, durability of Sikalastic® roofing and waterproofing membranes at joints and angle changes.

USES

Sikalastic®-103 SA Tape is designed for reinforcement of joints:

- On concrete roofing
- Seams joint of metal roofing
- Seams joint between cover boards
- Between plywood deck panels

And also for sealing and repairing cracks against water penetration on roofs, facades.

CHARACTERISTICS / ADVANTAGES

- Very easy to apply
- Self-adhesive
- No primer required for many substrates, ex. concrete, metal.
- Fleece facing provides good resin/coating adhesion
- Good elongation to accommodate thermal and structural movement
- Increases joint strength and durability
- Conforms to substrate contours and flashing details
- Excellent adhesion at low temperature and high temperature

PRODUCT INFORMATION

Chemical Base	Lower side: Butyl Rubber compound Upper side: Fleece facing			
Packaging	Packed into boxes. Size is based on width.			
	Length of roll	Width of roll	Thickness	Rolls per box
	10 m	100 mm	0.9 mm	10
	10 m	150 mm	0.9 mm	10
	10 m	1000 mm	0.9 mm	1
	Please consult to Sika sales team for other possible size of roll.			
Appearance / Colour	Top surface	off-white fleece		
	Bottom surface	Black		
Shelf Life	24 months from date of production			
Storage Conditions	The product must be stored in original, unopened and undamaged sealed packaging in dry and cool conditions, protected from direct sunlight at temperature between +5 °C and +35 °C.			

TECHNICAL INFORMATION

Resistance to tear (nail shank)	Lengthwise	~ 50 N/mm	ASTM D 624
	Crosswise	~ 40 N/mm	
Foldability at Low Temperature	No crack @ -40°C after 1 hour		ASTM D 1970
Thermal Resistance	no flow, crack, deformation at 120°C *2 h		GB/T 328.11-2007
Service Temperature	-30°C to 90°C		
Adhesion in Peel	on concrete	≥ 40 N/ 50mm	ASTM D903
	on galvanized metal sheet	≥ 50 N/ 50mm	
	on galvanized metal sheet,	≥ 50 N/ 50mm	
	after heat treatment (80°C *168h)		

APPLICATION INFORMATION

Ambient Air Temperature	+5°C min. / + 45°C max.
Relative Air Humidity	≤ 85%
Dew Point	Substrate temperature during application must be at least +3 °C above measured dew point temperatures
Substrate Temperature	+ 5°C min. / + 45°C max.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate quality must achieve the same requirements as the Sikalastic® roofing and waterproofing membrane product that will be applied. Refer to the appropriate Product Data Sheet.

SUBSTRATE PREPARATION

- The substrate preparation including any repairs will be the same as for the Sikalastic® roofing and waterproofing membrane product that will be applied. Refer to the appropriate Product Data Sheet.
- Priming is not normally required on concrete. If concrete is absorbent use Sikalastic® Primer/Sikalastic®-10 Primer EP to seal the surface.
- Solvent wipe prepared metal flanges, metal roofing joints and seams with acetone or denatured alcohol.

APPLICATION

IMPORTANT

1. Do not apply to a porous or damp surface where moisture vapour transmission will occur during application and curing.
2. Remove the adhesive release liner before applying.

Non-moving (static) Joints

Note: During application, air bubbles and wrinkles

must be avoided if practically possible.

1. Unroll a short length of tape from the roll.
2. Remove 100 to 150 mm of the adhesive release liner from the underside of the tape.
3. Apply this length of tape onto the substrate, centrally over the joint, extending minimum 30 to 50 mm over each side of the joint.
4. Press the applied tape onto the substrate with a silicone/rubber hand-held seam pressure roller.
5. Continue to apply the tape by unrolling and removing the adhesive release liner until the length of joint has been covered.
6. Press the tape onto the substrate with the pressure roller.
7. Apply additional pressure with the pressure roller to the complete length of the applied tape to activate the bonding process. The firmer the pressure applied, the faster and stronger the bond.

Remedial repairs and removal of air bubbles and wrinkles

Remedial repairs:

1. Cut away damaged tape area with a sharp utility knife.
2. Apply a new layer of tape over the damaged area, extending to a minimum of 30 to 50 mm beyond the damaged area edges.
3. Press the new tape layer with a silicone/rubber hand-held seam pressure roller.
4. Apply additional pressure with the pressure roller to the new tape layer to activate the bonding process.

Air bubble removal-piercing:

1. Pierce air bubble with a sharp needle.
2. Force out the air by applying pressure over the bubbled area using a silicone/rubber hand-held seam

pressure roller.

Air bubble removal-cutting:

1. Use a utility knife to cut the bubbled area.
2. Press the tape back into place.
3. Apply an additional layer of tape over the cut, extending to a minimum of 30 to 50 mm over the cut line in all directions.
3. Press the new tape layer with a silicone/rubber hand-held seam pressure roller.
4. Apply additional pressure with the pressure roller to the new tape layer to activate the bonding process.

Removing wrinkles:

1. Use a utility knife to cut away the bunched-up (wrinkled) section of tape.
2. Press the cut edges back into place.
3. Apply a new layer of tape over the removed area, extending to a minimum of 30 to 50 mm beyond the removed area edges.
4. Press the new tape layer with a silicone/rubber hand-held seam pressure roller.
5. Apply additional pressure with the pressure roller to the new tape layer to activate the bonding process.

Sikalastic® Coating application:

IMPORTANT:

Make sure all the tape is coated to prevent UV degradation.

Note: Priming of the tape is not required.

Apply a Sikalastic® coating onto the clean, dry tape surface within 72 hours of the tape application.

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 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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September 2026, Version 01.01

020915954000242587

Sikalastic-103SATape-en-SG-(09-2026)-1-1.pdf