BUILDING TRUST

PRODUCT DATA SHEET

Sikalastic®-100 Joint Tape

Self-adhering roof waterproofing tape

PRODUCT DESCRIPTION

Sikalastic®-100 Joint Tape is a self-adhering, polymeric, rubberized tape with a plastic release liner on the underside and a woven polyester facing. It enhances the strength and durability of Sikalastic® roof waterproofing membranes at joints and angle changes.

USES

Reinforcement of:
- Joints between cover boards on heat insulation.
- Joints between plywood deck panels.
- Cracks and cold joints on cementitious (or cement-based) roof decks.
- Seams in metal roofing.

CHARACTERISTICS / ADVANTAGES

- Self-adhering, no primer required for most applications
- Easy and reliable application
- Fleece facer allows positive resin/coating bond
- Stretches with membrane to accomodate thermal and structural movement
- Imparts additional strength and durability
- Conforms to substrate contours and flashing conditions

PRODUCT INFORMATION

Chemical Base	Butyl rubber with fleece facer
Packaging	20-meter long rolls in a carton box
Appearance / Colour	Gray fleece top surface
Shelf Life	12 months
Storage Conditions	Store flat in original, unopened and undamaged sealed packaging in dry conditions (between +5 °C and +35 °C). Do not expose to direct sunlight or other heat sources.
Length	20m
Width	100mm

TECHNICAL INFORMATION

Service Temperature	Minimum	-30 °C
	Maximum	+60 °C

APPLICATION INFORMATION

Ambient Air Temperature	+5 °C min. / +60 °C max.
Relative Air Humidity	90% max.
Substrate Temperature	+5 °C min. / +60 °C max.

VALUE BASE

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

LIMITATIONS

- Any repairs required to achieve a level surface must be performed prior to application (consult aSika representative for guidance on various Sika product solutions). Surface irregularities may reflect though the cured system.
- To avoid dew point conditions during application, relative humidity must be no more than 95% and substrate temperature must be at least 3°C above measured dew point temperatures.
- Minimum ambient and substrate temperature during application and curing of material is +5°C; maximum is 60°C.
- Do not store materials outdoors directly exposed to sunlight and moisture. Cover and protect materials with breathable type covers such as canvas tarpaulins to allow venting and protection from weather and moisture. Observe temperature storage and conditioning requirements.
- Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and cure.
- Substrate must be dry prior to application. Do not apply to a frosted, wet or damp surface. Allow sufficient time for the substrate to dry after rain or inclement weather as there is the potential for bonding problems.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH: This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be primed according to the requirements of the selected roof waterproofing system
All substrate surfaces, including flashing areas, must be clean and dry, free of dirt, dust, loose rust, debris, and oils.
Solvent wiping metal flanges or any contaminated surfaces with denatured alcohol or acetone is recommended.
While priming is typically not required for many surfaces, for sound installations, substrate priming must adhere to the specifications of the chosen roof waterproofing system.

APPLICATION

Important
Do not apply to a porous or damp surface where moisture vapor transmission will occur during application and curing.
Remove the adhesive release liner before application.
Non-Moving (Static) joints
Note: Avoid air bubbles and wrinkles during application whenever possible.
1. Unroll a short length of tape from the roll.
2. Peel back 100 to 150mm of the adhesive release liner from the underside of the tape.
3. Apply this length of tape onto the substrate, centering it over the joint. The tape should extend a minimum of 30 to 50mm past each side of the joint.
4. Press the applied tape onto the substrate using a silicone or rubber hand-held seam roller.
5. Continue to apply the tape by unrolling and removing the release liner until the entire joint length is covered.
6. Reroll the tape along the entire length using the pressure roller.
7. Apply firm, additional pressure with the 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 defects
Remedial Repairs (Damaged Tape)
1. Cut away the damaged tape area using a sharp utility knife.
2. Apply a new layer of tape over the damaged area, extending a minimum of 30 to 50mm beyond the damaged area edges.
3. Press the new tape layer with a silicone or rubber hand-held seam roller.
4. Apply additional firm pressure with the roller to the new tape layer to activate the bonding process.

Air bubble removal—piercing
1. Pierce the air bubble with a sharp needle.
2. Force the air out by applying pressure over the bubbled area using a silicone or rubber hand-held seam 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 a minimum of 30 to 50mm past the cut line in all directions.
4. Press the new tape layer with a silicone or rubber hand-held seam roller.
5. Apply additional firm pressure with the roller to the new tape layer to activate the bonding process.
6. 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 a minimum of 30 to 50mm beyond the removed area edges.
4. Press the new tape layer with a silicone or rubber hand-held seam roller.
5. Apply additional firm pressure with the roller to the new tape layer to activate the bonding process.

Sikalastic® roof waterproofing membrane application

Light amount of specified liquid applied membrane should be applied immediately after the tape is installed, to the surface of the tape and its edges, as a moisture protection barrier. This is particularly important when there is any imminent risk of moisture originating from either condensation or rainfall. This can be achieved by brush or by roller. The application of material - to act as a moisture barrier - is not included within overall specified coating requirements, and is an additional requirement. Sikalastic® 100 Joint Tape is UV resistant but is not intended for direct exposure.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

SIKA IRELAND LIMITED
Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland