

SBT Tube

Thermally broken tube for use in combination with stainless steel fasteners for the mechanical fixing of insulation

Product Description

Polyamide tube (PA 6) which can be used in combination with an appropriate stainless steel fastener, for mechanical fastening of insulation.

Uses

SBT Tube are used in combination with BS-S and TI-S-Z10 fasteners used in conjunction with the SBIW 70x70 insulation washer for mechanically fixing insulation boards.

Characteristics / Advantages

- High resistance against mechanical impacts
- Lightweight
- Resistance against common environmental influences
- Ease of application in use with recommended setting tools
- Polyamide tube (PA 6) is 30 h conditioned in conditioning cell
- Eliminates cold bridging
- Recyclable

Tests

Approvals / Standards

- Quality management system EN ISO 9001/14001
- British Board of Agrément (BBA) certified No. 14/5147

Product Data

Form

Appearance

Surface: smooth; round; diameter = 13 mm (20 mm at collar)

Colour

Slate Grey RAL 7015

Storage

Storage Conditions

SBT Tube shall be stored in dry conditions.

Shelf-Life

SBT Tube does not expire during correct storage.

Technical Data

Material Basis

Polyamide PA 6



Product range	SBT Tube x length		
		Packaging Unit (pcs.)	Weight / packaging (kg)
System Information	SBT x 40	250	1.75
	SBT x 70	250	2.40
	SBT x 100	250	3.10
	SBT x 130	250	3.50
	SBT x 160	250	4.10
	SBT x 190	250	4.70
	SBT x 230	250	5.70
	SBT x 300	250	7.60

- System Structure** Ancillary Products:
- S-Vap 500E
 - Decotherm Insulation Board
 - Insulation Washer (SBIW 70x70)
 - BS-S-4.8 x L fasteners (stainless steel fastener for metal & timber decks)
 - TI-S-Z10 6.3 x L fasteners (stainless steel fastener for concrete deck)
 - Primer 600/Carrier Membrane SA
 - Sika Liquid Plastics waterproofing systems

Application Conditions / Limits

Temperature The use of the SBT Tube is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.

Installation Instructions

Installation method

SBT Tube must be installed in accordance with Sika Liquid Plastics installation instructions.

SBT Tube in combination with specific fasteners is used for the mechanical fastening of waterproofing membranes on roof structures:

- BS-S 4.8 x L fasteners for steel deck ≥ 0.63 mm up to ≤ 1.25 mm thickness; drilling point of fasteners must penetrate the deck by ≥ 15 mm (minimum 20mm if the deck has a stiffening rib)
- BS-S 4.8 x L fasteners for timber (OSB & plywood) deck of a minimum 18mm thickness; drilling point of fasteners must penetrate the deck of ≥ 15 mm.
- TI-S-Z10 6.3 x L fasteners for Concrete decks, minimum embedment ≥ 25 mm (subject to pullout test).

For proper and sufficient application on site the manual setting tool TP19 (for 40 to 190mm tube lengths) or TP30 (for 190 to 300mm tube lengths) in 110 volts. For sufficient application on concrete decks the ZA ¼ M6 300/670 drive bar should be used with the appropriate M6 bit (T25 for TI-T25 or SQ3 for TI-S-Z10).

Notes on Installation / Limits

Installation works to be carried out only by Specialist Roofing Contractors.

Temperature limits for the installation of the SBT Tube:

Substrate temperature: -30°C min. / +60°C max.

Ambient temperature: -20°C min. / +60°C max.

Value Base	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.
Ecology, Health and Safety Information	The product does not fall within the EC-regulation of hazardous goods. As a result, a material safety data sheet following EC-Guideline 91/155 EWG is not needed to bring the product to the market, transport or use it. The product does not damage the environment when used as specified.
REACH	<p>European Community Regulation on chemicals and their safe use (REACH: EC 1907/2006)</p> <p>This product is an article within the meaning 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. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.</p> <p>Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).</p>
Protective Measures	Regulatory safety requirements must be observed.
Transportation Class	The product is not classified as hazardous goods for transport.
Disposal	The material is recyclable. Disposal must be according to regulatory requirements.
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.
Specification assistance	NBS is the industry standard specification system, which allows architects, specifiers and engineers to insert clauses into specifications by manufacturer and product, making the process quicker and more efficient. We are members of NBS Plus and therefore detailed up-to-date product information is readily available to create accurate specifications.



Contact Details

For further information please contact:

Sika Liquid Plastics
Sika House
Miller Street
Preston
Lancashire
PR1 1EA

Enquiry Line: 01772 259781

Fax: +44 (0)1772 255670

E-mail: liquidplastics@uk.sika.com

Registered office: Sika Ltd, Watchmead, Welwyn Garden City, Hertfordshire, AL7 1BQ
Registered in England: 226822