

Sarnabar[®] Tube SBT-20 x I

Tube Fastener for Sarnabar[®] Fastening System

Product Description

Polyamide tube (PA 6) which can be used in combination with a steel fastener for mechanical fastening of waterproofing membranes.

Uses

Sarnabar[®] Tube SBT in combination with Sarnafast[®] SBF-6.0 (all decks) and Sarnafast[®] SBF-S-6.0 (stainless steel for steel and plywood/OSB decks) are used for the mechanical fastening of the Sarnabar[®] in the perimeter or roofing area of waterproofing membranes on roofing structures. Further in combination with Sarnabar[®] Tube Insulation Washer SBIW and Sarnafast[®] SBF-6.0 or Sarnafast[®] SBF-S-6.0 for the fixation of 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
- Recyclable

Tests

Approvals / Standards

- Quality management system EN ISO 9001/14001
- European Technical Approval ETA-08/0262

Product Data

Form

Appearance

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

Colour

Slate grey RAL 7015

Storage

Storage Conditions

Sarnabar[®] Tube SBT-20 shall be stored in dry conditions.

Shelf-Life

Sarnabar[®] Tube SBT-20 does not expire during correct storage.

Technical Data

Material Basis

Polyamide PA 6

Construction





Product range	Sarnabar® Tube SBT-20 x length			
		Article Number SAP	Packaging Unit (pcs.)	Weight / packaging (kg)
System Information	SBT-20 x 70	402186	500	2.63
	SBT-20 x 100	402185	500	3.66
	SBT-20 x 130	402184	500	4.73
	SBT-20 x 160	402183	250	2.85
	SBT-20 x 190	402182	250	3.44
	SBT-20 x 230	402181	250	4.06
	SBT-20 x 300	402180	250	5.34

System Structure

Ancillary Products:

- Sarnabar® (hole diameter 15/6 mm)
- Sarnabar® Tube Insulation Washer SBIW
- Sarnafast® SBF-6.0 on steel, concrete and plywood/OSB decks
- Sarnafast® SBF-S-6.0 (stainless steel) on steel and plywood/OSB decks

Compatible to all Sikaplan® and Sarnafil® waterproofing membranes.

Application Conditions / Limits

Temperature

The use of the Sarnabar[®] Tube SBT-20 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

Sarnabar[®] Tube SBT-20 must be installed in accordance with Sika application manual and installation instructions.

Sarnabar[®] Tube SBT-20 in combination with Sarnafast[®] fasteners is used for the mechanical fastening of waterproofing membranes and insulation boards on roof structures:

- Sarnafast[®] SBF-6.0 and SBF-S-6.0 (stainless steel) for corrugated steel deck ≥ 0.63 mm up to $\leq 2 \times 1.25$ mm thickness; drilling point of fasteners must penetrate the deck; fastener length = roof build-up + 20 mm.
- Sarnafast[®] SBF-6.0 and SBF-S-6.0 (stainless steel) for plywood/OSB 22 mm or thicker; drilling point of fasteners must penetrate the deck; fastener length = roof build-up + 30 mm.
- Sarnafast[®] SBF-6.0 for concrete decks (quality grade \geq C12/15) with a setting depth at least 32 mm by using a drilling diameter of 5.0 mm (drilling depth \geq 40 mm).

For proper and sufficient application on site, we recommend to use the manual setting tool TP 10 (up to 100 mm tube length), TP 19 (up to 190 mm tube length) or TP30 (up to 100 mm tube length) which can be ordered directly by SFS Intec - available in 110 or 230 VAC.

Notes on Installation / Limits

Installation works to be carried out only by Sika instructed contractors for roofing.

Temperature limits for the installation of the Sarnafast[®] Tube SBT-20:

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

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

Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.

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.
Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
Ecology, Health and Safety Information	A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring the product to the market, to transport or to 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	Local safety regulations must be observed.
Transportation Class	The product is not classified as hazardous good for transport.
Disposal	The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

Legal note: 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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