



ETAG 006

08

0769

Sarnafast[®] SBF-6.0 x L

Carbon steel fastener in combination with Sarnafast[®] or Sarnabar[®] tubes, washers, termination plates or fastening profiles

Product Description

Hardened carbon steel fastener for mechanical fastening of waterproofing systems and insulation boards onto steel, concrete and plywood/OSB substrates.

Uses

Sarnafast[®] SBF-6.0 fastener is used in combination with the Sarnafast[®] SFT-50 Tube, Sarnabar[®] SBT-20 Tube or in combination with Sarnafast[®] Washer KTL 82 x 40, IF/IG-C 82 x 40 or Sarnabar[®] fastening profiles for the mechanical fastening of waterproofing membranes into steel, concrete and plywood/OSB substrates.

Characteristics / Advantages

- Resistance against common environmental influences
- Ease of application in use with recommended tooling
- Self drilling fastener, no pre-drilling for steel and plywood/OSB applications
- Chrome VI - free
- Recyclable

Tests

Approvals / Standards

- Sarnafast[®] fastener for the mechanical fastening of roof waterproofing membrane, according to ETA-08/0262.
DoP 02 09 45 05 110 0 001018 1198, certified by the Factory Production Control Body, 0769, and provided with the CE Mark.
- Quality management system EN ISO 9001/14001
- Factory Mutual Class No. 4470

Product Data

Form

Appearance

Surface: smooth

Storage

Storage Conditions

Sarnafast[®] SBF-6.0 fastener shall be stored in dry conditions.

Shelf-Life

Sarnafast[®] SBF-6.0 fastener does not expire during correct storage.

Construction



Technical Data

Material Basis Hardened carbon steel

Surface Durocoat®

Thread The 6.0 mm diameter buttress thread commences 2.5 mm below the head on fasteners ≤ 70 mm; all fasteners ≤ 80 mm are with 75 mm thread lengths.

Head type/drive

- Head diameter 9.8 mm (Tolerance 9.6 - 9.8mm)
- Head height 3 mm (Tolerance 3.1 - 3.3)
- Drive Torx T25 (each packaging unit a Torx bit is included).

Corrosion resistance 15 cycles Kesternich test (concentration SFW 2.0 S in accordance with DIN 50018) according to ETAG 006 - D.3.1.



Product range	SBF-6.0 x length	Article Number SAP	Packaging Unit (pcs.)
	SBF-6.0 x 35	429897	500
	SBF-6.0 x 50	456856	250
	SBF-6.0 x 60	429901	500
	SBF-6.0 x 70	429902	250
	SBF-6.0 x 80	429903	250
	SBF-6.0 x 90	429904	250
	SBF-6.0 x 100	429905	250
	SBF-6.0 x 110	429961	250
	SBF-6.0 x 120	456855	250
	SBF-6.0 x 130	429962	250
	SBF-6.0 x 140	456854	250
	SBF-6.0 x 160	429963	250
	SBF-6.0 x 180	429964	250
	SBF-6.0 x 200	429965	250
	SBF-6.0 x 220	456853	250
	SBF-6.0 x 240	456852	250
	SBF-6.0 x 260	456851	250
	SBF-6.0 x 280	456850	250
	SBF-6.0 x 300	455989	250

System Information

System Structure

Ancillary Products:

- Sarnafast® SFT-50
- Sarnabar® Tube SBT-20
- Sarnabar® (all types)
- Sarnabar® SBT RTP-105
- Sarnabar® Tube Insulation Washer SBIW 70 x 70
- Sarnafast® Washer KTL 82 x 40
- Sarnafast® Washer IF/IG-C 82 x 40 (hard roof structures)
- Sarnafast® Insulation Washer DTL 70 x 70
- Sarnafast® Row Termination Plate RTL-90
- Sarnabar® Load Distribution Plate LDP-90

Compatible to all Sikaplan® and Sarnafil® waterproofing membranes.

Application Conditions / Limits

Temperature

The use of the Sarnafast® SBF-6.0 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

Sarnafast® SBF-6.0 must be installed in accordance with Sika application manual and installations instructions.

Sarnafast® SBF-6.0 in combination with Sarnafast® or Sarnabar® tubes, washers, termination plates or fastening profiles is used for the mechanical fixation of waterproofing membranes and insulation boards on roof structures:

- 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.
 - Plywood/OSB 22 mm or thicker; drilling point of fasteners must penetrate the deck; fastener length = roof build-up + 30 mm.
 - 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).
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Notes on Installation / Limits

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

Temperature limits for the installation of the Sarnafast® SBF 6.0:

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	Regulatory safety requirements 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.

Sika Hellas ABEE
 Protomagias 15
 GR 14568 Kryoneri
 Athens-Greece

Phone +30 210 8160600
 Telefax +30 210 8160606
www.sika.gr
sika@gr.sika.com

