

Sarnafast SB-6.3 x l

Fastener for Spot- and Sarnabar Fastening System

Product Description Hardened carbon steel fastener for mechanical fastening of waterproofing membranes.

Uses Sarnafast SB-6.3 in combination with Sarnafast Washer KTL 82x40, IF/IG-C 82x40 or Sarnabar is used for the mechanical fastening of waterproofing membranes on roofing structures.

Characteristics / Advantages

- Lightweight
- Resistance against common environmental influences
- Ease of application in use with recommended setting tools
- Self drilling fastener, no pre-drilling for steel applications
- Chrome VI - free
- Recyclable

Tests

Approvals / Standards ■ Quality management system EN ISO 9001/14001

Product Data

Form

Appearance Surface: smooth

Storage

Storage Conditions Sarnafast SB-6.3 shall be stored in dry conditions.

Shelf-Life Sarnafast SB-6.3 does not expire during correct storage.

Technical Data

Material Basis Hardened carbon steel

Surface Durocoat®

Thread Diameter = 6.3 mm, for screws ≤ 100 mm thread ends at 6 mm below the fastener head; fasteners ≥ 120 mm the thread length (incl. drilling bit of 3.4 mm) is always 100 mm.

Head type/drive

- Head diameter 10.8 – 11.4 mm
- Head height 3 mm
- Drive Torx T30 (each packaging unit a Torx bit is included).

Construction



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	SB-6.3 x length	Article Number SAP	Packaging Unit (pcs.)	Weight / packaging (kg)
	SB-6.3 x 32	136779	500	3.05
	SB-6.3 x 50	136780	500	4.37
	SB-6.3 x 75	136781	500	6.22
	SB-6.3 x 100	136782	500	8.07
	SB-6.3 x 120	136783	500	9.78
	SB-6.3 x 140	136784	500	10.78
	SB-6.3 x 160	136785	250	6.20
	SB-6.3 x 180	136786	250	7.07
	SB-6.3 x 200	136787	250	7.80
	SB-6.3 x 230	136788	250	9.58
	SB-6.3 x 250	136789	250	9.96

System Information

System Structure

Ancillary Products:

- Sarnafast Washer KTL 40 x 82
- Sarnafast Washer IF/IG-C-82x40 (hard roof structures)
- Sarnafast Row Termination Plate RTL 90
- Sarnafast Insulation Washer DTL 70 x 70
- Sarnabar (hole diameter 10 mm)
- Sarnabar Load Distribution Plate

Compatible to all Sikaplan® and Sarnafil® waterproofing membranes.

**Application
Conditions / Limits**

Temperature The use of the Sarnafast SB-6.3 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 SB-6.3 must be installed in accordance with Sika application manual and installations instructions.

Sarnafast SB-6.3 in combination with Sarnafast Washer KTL 82x40 or Sarnabar is used for the mechanical fixation of waterproofing membranes on roof structures:

- Corrugated steel deck ≥ 0.70 mm up to ≤ 1.25 mm thickness; drilling point of fasteners must penetrate the deck; fastener length = roof build-up + 20mm.
- Solid wood 24 mm or thicker and plywood/OSB 22 mm or thicker; fastener length = roof build-up + 30mm.
- Concrete decks (quality \geq B25), with a setting depth at least 32 mm by using a drilling diameter of 5.5 mm (drilling depth ≥ 50 mm).

**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 SB-6.3:

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.

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 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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