

Sarnafast SF-4.8 x l

Fastener for Spot- and Sarnabar Fastening System

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

Uses Sarnafast SF-4.8 in combination with Sarnafast Washer KT 82x40, IF/IG-C-82x40 or Sarnabar is used for the mechanical fastening of waterproofing membranes on roofing structures.

Characteristics / Advantages

- Tread-fast solution
- 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
- European Technical Approval ETA-08/0262
- Factory Mutual Class No. 4470

Product Data

Form

Appearance Surface: smooth

Storage

Storage Conditions Sarnafast SF 4.8 shall be stored in dry conditions.

Shelf-Life Sarnafast SF 4.8 does not expire during correct storage.

Technical Data

Material Basis Hardened carbon steel

Surface Durocoat®

Thread Diameter = 4,8 mm, for screws ≤ 100 mm thread ends at 15 mm below the fastener head, thread length is 75 mm for fasteners ≤ 160 mm, thread length is 105 mm for fasteners > 160 mm.

Diameter of supporting thread = 6.0 mm

Construction



Head type/drive

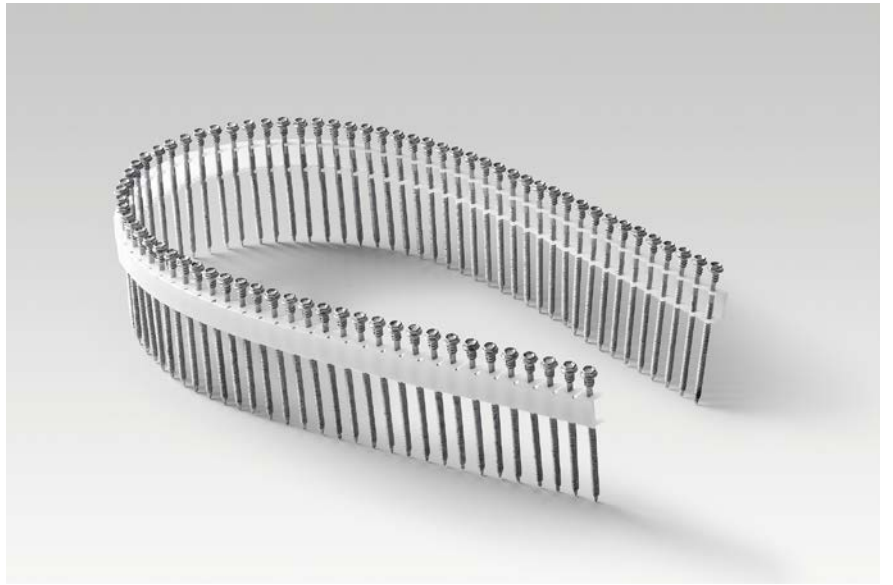
- Hexagon head screw (8mm)
- Head height 4 mm

Corrosion resistance

15 cycles Kesternich test (concentration SFW 2.0 S in accordance with DIN 50018) according to ETAG 006 - D.3.1.
Factory Mutual Class No. 4470.



Product range	SF-4.8 x length	Article Number SAP	Packaging Unit (pcs.)	Weight / Packaging (kg)
	SF-4,8 x 60	111112	500	3.62
	SF-4,8 x 70	111113	500	4.14
	SF-4,8 x 80	111114	500	4.58
	SF-4,8 x 90	111115	500	5.12
	SF-4,8 x 100	111116	500	5.52
	SF-4,8 x 120	111117	500	6.48
	SF-4,8 x 140	111118	250	3.74
	SF-4,8 x 160	111119	250	4.21
	SF-4,8 x 180	111120	100	1.87
	SF-4,8 x 200	111121	100	2.06
	SF-4,8 x 220	111122	100	2.24
	SF-4,8 x 240	111123	100	2.42
	SF-4,8 x 260	111124	100	2.63
	SF-4,8 x 280	111125	100	2.81
	SF-4,8 x 300	111126	100	3.00



	SF-4.8 x length (collated)	Article Number SAP	Packaging Unit (pcs.)	Weight / Packaging (kg)
	SF-M 4,8 x 60	111127	750	5.41
	SF-M 4,8 x 70	111128	750	6.19
	SF-M 4,8 x 80	111129	750	6.91
	SF-M 4,8 x 90	111130	750	7.58
	SF-M 4,8 x 100	111131	750	8.36
	SF-M 4,8 x 120	111132	750	9.71
	SF-M 4,8 x 140	111133	750	11.21
	SF-M 4,8 x 160	111134	750	12.62
	SF-M 4,8 x 180	111135	500	9.35
	SF-M 4,8 x 200	111136	500	10.28
	SF-M 4,8 x 220	111137	500	11.20
	SF-M 4,8 x 240	111138	500	12.12

System Information

System Structure

Ancillary Products:

- Sarnafast Washer KT 40 x 82
- Sarnafast Washer IF/IG-C-82x40 (hard roof structures)
- Sarnafast Row Termination Plate RT 90
- Sarnafast Insulation Washer DT 70 x 70
- Sarnabar (hole diameter 6 mm)
- Sarnabar Load Distribution Plate

Compatible to all Sikaplan® and Sarnafil® waterproofing membranes.

Application Conditions / Limits

Temperature

The use of the Sarnafast SF-4.8 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 SF-4.8 must be installed in accordance with Sika application manual and installations instructions.

Sarnafast SF-4.8 in combination with Sarnafast Washer KT 82x40, IF/IG-C-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; fasteners must penetrate the deck; fastener length = roof build-up + 20mm.
 - Solid wood ≥ 24 mm; fastener length = roof build-up + 30mm.
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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 SF-4.8:

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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