

PRODUCT DATA SHEET

Sarnabar® Tubes ZSSB HVM

HEIGHT-ADJUSTABLE FASTENING ELEMENTS FOR CONCRETE, WOOD AND METAL DECKS

DESCRIPTION

Sarnabar® Tubes ZSSB HVM are fastening elements consisting of a two-part polyamide tube and a metallic fastener.

USES

Sarnabar® Tubes ZSSB HVM are used for thermally insulated and mechanically fixed roof structures to fasten the single-ply roofing membrane to the substrates reinforced concrete, wood and wood-based materials as well as metal decks. They are to be used in conjunction with the Sarnabar® fastening profile S 6/15.

FEATURES

- 3 types for clamping lengths 120 - 390 mm
- Universally applicable
- Treadfast
- With patented mould fuse
- With patented loss protection
- Can be combined with Sarnafast® Tube Plate
- Can also be ordered individually for sloped insulation

CERTIFICATES AND TEST REPORTS

- Quality Management Certification EN ISO 9001/14001
- Screws 15 cycles Kesternich test

PRODUCT INFORMATION

Composition	Tubes:	Polyamid PA 6, glass fiber reinforced
	Screws:	Carbon steel, case-hardened
Packaging	Length 120 - 150 mm	250 pieces
	Length 160 - 230 mm	250 pieces
	Length 240 - 390 mm	250 pieces
	Also available in single unit quantities.	
Appearance and colour	Tubes:	slate grey (similar RAL 7015)
	Screws:	silver
Shelf life	The product retains its properties in unopened and undamaged original packaging.	
Storage conditions	Store Sarnabar® Tubes ZSSB HVM under dry conditions.	
Dimensions	Tubes:	120 - 390 mm
	Screw:	6.3 x 80 mm
	Screw head:	Flat round head, drive TX 25

APPLICATION INFORMATION

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

System structure Systemproducts:

- Sarnabar® fastening profile S6/15
- Sarnafast® Tube plate
- Dismateling tool ZSSB
- Bits TX 25

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 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. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

Minimum setting depth:

- Reinforced concrete: 30 mm (pre-drilling Ø 5 mm)
- Steel deck: 20 mm (penetration length of the screw through the sheet)
- Wood and wood-based panels: 30 mm Screw tip visible for panels < 30 mm)

Material thicknesses:

- Metal decks: from 0.75 mm to 1.5 mm
- Wood and wood-based panels: from 22 mm
- Timber formwork: from 24 mm

APPLICATION

Before using the supplied tubes, make sure that they are suitable for the existing roof substrate, that the lengths are matching to the height of the respective roof structure and that the individual parts of the plastic tube are firmly locked together. The clamping range of the roof structure is indicated by the number on the fastener shaft.

The modules are locked together when the number on the shaft is above the semicircular notch. The number also indicates the superstructure thickness for which the fastening element in question can be used. The actual height of the roof structure must be determined in advance in order to rule out the use of fasteners with unsuitable lengths. If a different installation

height is to be set, proceed as follows: Hold the fastening element by the lower shaft and turn the upper module a few degrees to the right (clockwise) so that the number on the shaft is no longer above the semicircular notch. A slight resistance can be felt when turning. Only turn the upper module until a slight resistance can be felt and the notch is completely turned out of the row of numbers. Do not twist both parts beyond this noticeable resistance! Now both bracket parts can be telescopically pushed into each other or pulled apart to set the desired mounting height. When both parts are positioned in relation to each other at the desired installation height, this is fixed by turning the upper holder part to the left (counter-clockwise). Correct locking can be checked by pulling gently in a longitudinal direction. When both parts are correctly locked, it is no longer possible to pull them apart.

When fastening the hem, the distance between the Sarnafast® Tube plate and the edge of the sheet must be at least 1 cm.

Observe the following when pre-drilling on reinforced concrete:

Pre-drill the fixing point with a Ø 5 mm drill according to the anchoring depth. Ensure that any drilling dust is removed from the drill hole or that any residual drilling dust is taken into account when setting the drill hole depth.

Insert the Sarnabar® Tubes ZSSB HVM vertically into the drill hole until the ring of the tube is seated in the Sarnabar® fastening profile S 6/15. Before tightening the fastener, ensure the correct direction of rotation of the screwdriver and the use of a suitable, unworn screwdriver blade. Ensure that the inserted tube holds correctly. Incorrect fixings must be replaced.

When setting in reinforced concrete, we recommend the use of a tangential screwdriver.

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LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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.

Wolman Wood and Fire Protection GmbH

Dr.-Wolman-Str. 31-33
76547 Sinzheim
Tel.: +49 7221 800-0
info.wolman@wolman.de
www.sika.de

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