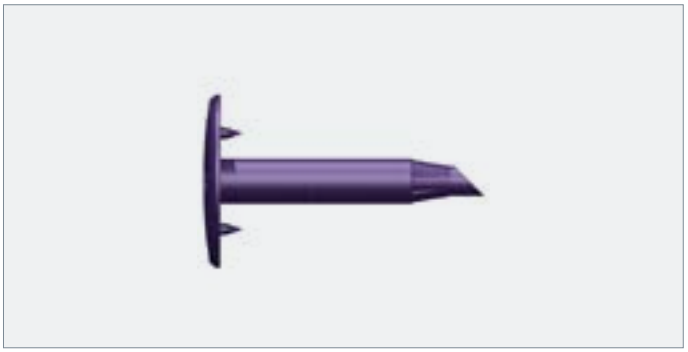
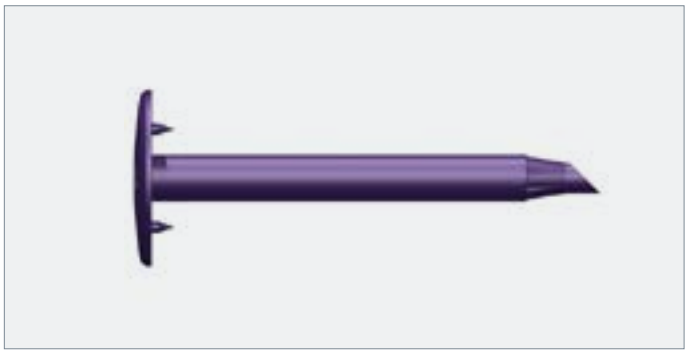
SureFast® SF-TB-50 Barbed Tube Washers





Barbed tube washers for attachment of membrane in flat roofing applications

Application

For mechanically fixing membrane to steel, timber and concrete decks in combination with appropriate SureFast® fasteners

Key Features

- Helps reduce thermal bridging
- Prevents the fastener head damaging the membrane
- Barbed head to help reduce the effect of unwinding forces
- Angled tip for ease of penetration through membrane
- ETA Approval and CE Marked.
- Manufactured from polypropylene
- Manufactured in the UK to controlled tolerances in accordance with Fixfast's production standards

Specification

Material	Exterior Grade Virgin Polypropylene

Certification

ETA	ETA-15/0406 of 21.05.2025
	CE

Durability Class

For information on durability and warranty, refer to the specific fastener datasheet

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Installation and Handling

Correct installation	This product is part of the SureFast® fastening system, and must be used with appropriate SureFast® screws. See the Fastener Compatibility for further details.
Handling	Fasteners may have sharp edges, and the use of power tools can be dangerous. Use personal protective equipment. Store fasteners in dry conditions. Inspect each fastener before use and do not use damaged fasteners. Replace any fasteners which appear to have been installed incorrectly.

Performance

Pull-over value (fastener to tube washer connection)

	Characteristic value
SF-TB-50	1.55kN

All values are tested and calculated according to Eurocode procedures. Additional test information may be provided subject to internal approval.

Dimensions

Code	Washer Diameter	OD Tube Diameter	ID Tube Diameter
SF-TB-50 x Length	50mm	13.6mm	9.6mm

Fastener Compatibility

Code	Description
SF-RS-4.8	SureFast® Carbon Steel Roofing Screw
SF-RS-5.8	SureFast® Carbon Steel Roofing Screw
SF-RS-6.1	SureFast® Carbon Steel Roofing Screw
SF-RS-SSA4-4.8	SureFast® A4 Stainless Steel Roofing Screw
SF-RS-SSA4-6.1	SureFast® A4 Stainless Steel Roofing Screw
SF-RS-HCR-5.8	SureFast® High Corrosion Resistant Stainless Steel Roofing Screw

Usage Conditions

1. Application

Fixfast fasteners are suitable for use only with the substrates, materials and system components specified in the relevant product data-sheet and within the stated performance limits.
The fixing substrate must be solid, free from perforations and in sound condition. Materials in contact with the fastener must be chemically inert and suitable for the intended application.
Fasteners may be used with insulation materials such as PUR, PIR, EPS, XPS and mineral wool provided such materials are chemically inert, dry and compatible with the relevant roofing or building envelope system.

2. Installation

Fasteners must be stored in dry conditions and protected from corrosion, contamination or damage prior to installation.
Installation must be carried out in accordance with Fixfast installation instructions and recognised industry good practice by suitably trained and competent personnel. Fasteners must not be cut, altered or otherwise modified.

3. Design Responsibility

Fastener selection and fixing patterns must be determined by the project designer based on structural load calculations in accordance with the relevant Eurocode standards, Building Regulations and recognised Codes of Practice.

Compatibility of materials forming part of the building envelope system remains the responsibility of the system designer or specifier.

4. Environmental Conditions

Fasteners are suitable for use in residential, commercial and industrial buildings where surrounding materials are chemically inert and the environment is not subject to conditions that would adversely affect the performance of the fastener material.
Classification of environmental conditions, including internal humidity classification in accordance with BS 5250, temperature range and external atmospheric corrosivity in accordance with ISO 9223, shall be determined by the project designer or specifier.
The selection and suitability of fastener materials in relation to environmental exposure, including the effects of localised conditions or microclimates and the intended design life of the construction, remain the responsibility of the project designer or specifier.
Environments containing chlorides or other aggressive substances, including but not limited to swimming pool buildings and roof voids or enclosed spaces above such areas where chlorinated vapours may accumulate, may present a risk of accelerated corrosion or stress corrosion cracking. Such environments shall be subject to specific assessment by the project designer, and only products explicitly designated by the manufacturer as suitable for these conditions shall be used.

Guidance for Specifiers – Typical Material Selection

The table below provides general guidance only and does not replace project-specific assessment.

Fastener Material	External Environment	Internal Environment
Carbon Steel (coated)	C1 - C2	HC1 - HC3
A2 Stainless Steel (1.4301 / 304)	C1 - C3	HC1 - HC4
A4 Stainless Steel (1.4401 / 316)	C1 - C4	HC1 - HC4
HCR Stainless Steel (1.4529 / equivalent)	C1 - C5	HC1 - HC5

5. Performance Data

Performance data published by Fixfast is derived from laboratory testing conducted under controlled conditions. Actual in-service performance may vary depending on substrate characteristics, installation practice and environmental exposure.

Fixfast fasteners provide mechanical attachment only. The performance, suitability and durability of the complete building envelope system remain the responsibility of the system designer and installer.