

Press release

Waldachtal, 17 March 2025



fischer system solutions for flat roofs

Sealed and secure

Flat roofs have become a staple of modern architecture, be it residential buildings or industrial, commercial and administrative buildings. This shouldn't come as a surprise, as these kinds of roofs don't require elaborate roof trusses and avoid sloping roofs while providing space for green spaces and other purposes. Innovative fischer all-in-one systems can be used to securely install air conditioning units, ventilation ducts, pipe systems, cable systems and other technical building equipment installations on flat roofs while ensuring they remain sealed.

Flat roofs must have a sealing layer and an underlying insulation layer on top of the ceiling to complete the building. Clever solutions are required to securely install air conditioning units, ventilation ducts, pipe systems, cable systems and other technical building equipment installations on flat roofs while sealing the roof. Innovative all-in-one systems by fischer designed for installations on flat roofs prevent stress to the roof sealing and insulation layer through targeted load distribution, preventing damage to the surface. Alternative solutions to lay and fasten installations of this type, such as concrete or steel base structures, require penetrating the roof seal and insulating layer. This is associated with additional sealing lines around the base and supports. The core of this fischer system is a flat roof base made of high-quality plastic. A bracket simultaneously serves as a load distributor and flexible

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fastening point for secure, sealed installation on flat roofs. The flat roof base design and edge on the underside prevent damage to the roofing membrane, while the design and dimension of the system component guarantee optimum load distribution.

fischer's flat roof base standard FFRB is used for a precise horizontal fit with the fischer FUS channels and is a simple and cost-effective solution for laying pipe and cable runs. Popular elevations for solar panels and photovoltaic modules can also be quickly and easily set up with the FFRB flat roof base.

As an alternative to the FFRB, fischer offers the hinged FFRBH flat roof base, which allows for the precise installation of vertical FUS channels, for instance to set up ventilation systems, air conditioning systems, cooling towers, heat exchangers, maintenance platforms, walkways and bridges. A swivel-mounted bracket on the flat roof base allows the hinged adapter to be rotated by 360° so that the flat roof base can be positioned as desired. The handwheel can be turned to continuously adjust the tilt angle by up to 12°. The open side of the hinge adapter allows different FUS channel types to be used, such as FUS 41 and FUS 21D.

fischer's flat roof base system is completed by two additional components. The FFRP flat roof base protector provides foil roofs with secure protection and prevents plasticiser migration as well as damage to the sensitive roofing membrane. The FFRBB flat roof base ballast is simply placed on the flat roof base and protects installations against damage by high wind loads.

fischer's flat roof base system ensures optimal load distribution with its compatible components. It reduces point loads on flat

roofs, enabling quick and securely fastened installations on flat roofs while protecting fitters against defect notices and recourse claims.

fischer universal channel system

FUS (the fischer universal channel system) is ideal for fastening medium to heavy conduit systems with or without fire protection requirements. Optimised, prefabricated connector and construction elements and push-through installation allow simple installation into the channel by means of insertion and rotation. Multifunctional components provide added flexibility and save users from having to purchase, store and install a large number of individual parts, which in turn saves time and effort during installation. The range is also available in a stainless steel corrosion-resistant variant in addition to the galvanised and hot-dip galvanised versions.

Image captions:



Image 1

Safe and sealed roofs: The fixing expert fischer offers a secure and economical solution for installations on flat roofs with its flat roof system.



Image 2

Installations crown functional architecture: Maintenance platforms, walkways and bridges can be secured to flat roofs with the FFRBH flat roof base.



Image 3

An ideal use of space: The FFRB flat roof base standard is a clever fischer solution for solar thermal systems, including energy storage or photovoltaic systems.

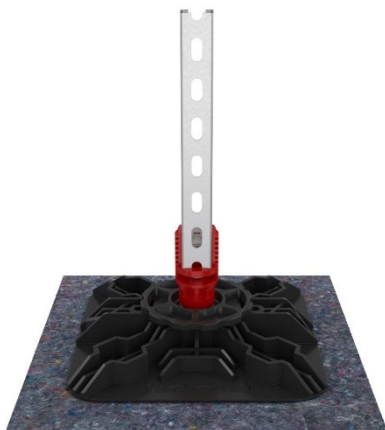


Image 4

The fischer flat roof base made of high-quality plastic serves as a load distributor and flexible installation point for secure, sealed

installation on flat roofs. Its clever design prevents damage to the roofing membrane and ensures optimum load distribution. The hinged FFRBH (pictured) allows for the vertical installation of FUS channels.



Image 5

fischer's flat roof base standard FFRB is used for the horizontal installation of FUS channels.



Image 6

Insert, rotate, finished – that's how quick it is to safely install service ducts with the FUS, such as pipes, ventilation ducts and cable trays.

Images: fischer

fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 1.11 billion euros in 2024 with a worldwide staff of 4,700 employees. The family-owned company runs 50 operational companies worldwide and exports to about 120 countries. It includes the four divisions fischer fixing systems, fischertechnik, fischer Consulting and fischer Electronic Solutions.

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

fischer Electronic Solutions develops and manufactures custom electronic solutions for the industrial and medical sectors, with a focus on long-term partnerships and tailor-made, high-quality solutions. As a partner in innovation, fischer Electronic Solutions is breaking new ground together with its customers to build a successful future.

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