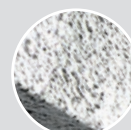


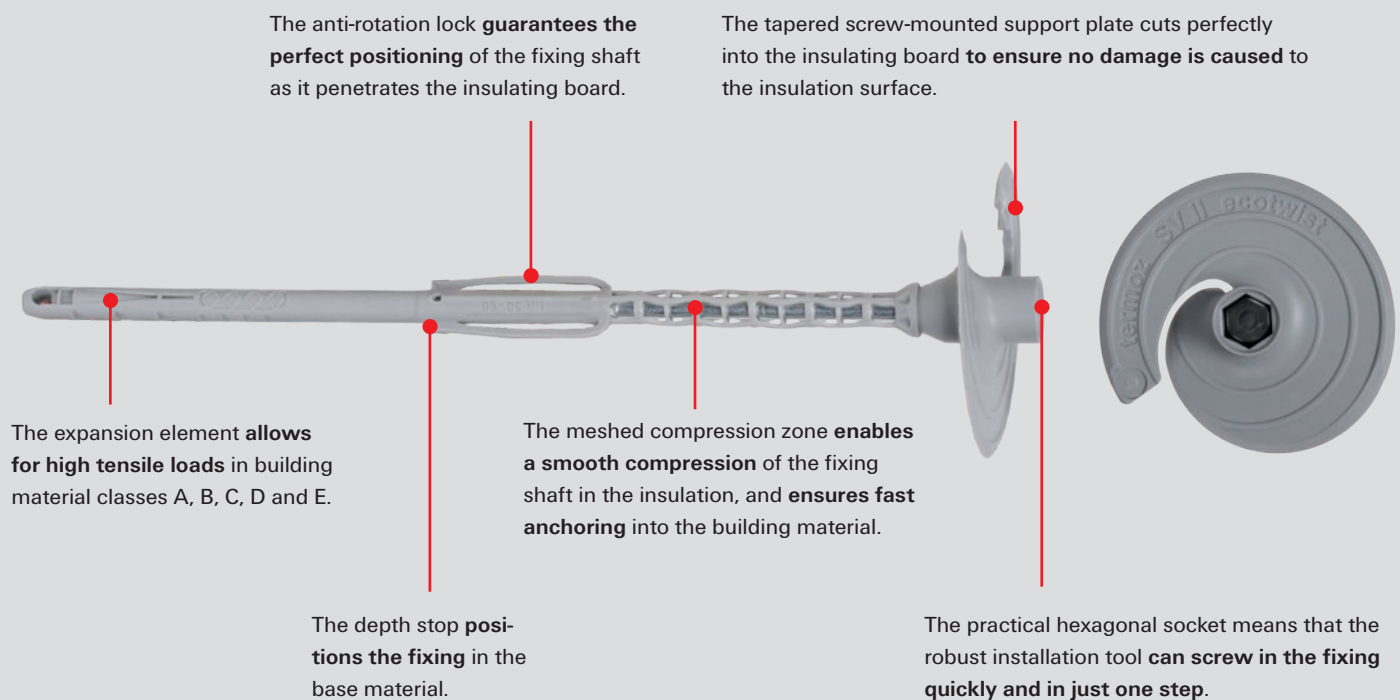


The innovative countersinkable ETICS fixing for all building material classes.



fischer  *innovative solutions*

We are turning towards your success: With the fixing for all insulation thicknesses.



Building materials



- Approved for:
Concrete, solid brick, solid sand-lime brick, solid block made from lightweight or normal weight concrete, vertically perforated brick, perforated sand-lime brick, lightweight aerated concrete, aerated concrete, hollow block made from lightweight concrete
- Also suitable for:
Natural stone with dense structure

Test mark

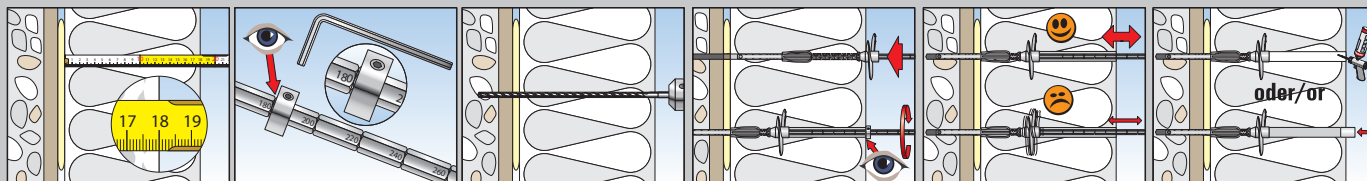


Benefits/ Advantages

- One fixing for all insulating material thicknesses from 100 mm to 400 mm. This increases productivity, saves time and storage space.
- Suitable for polystyrene and homogeneous mineral wool insulating boards.
- With the lowest chi value on the market (from 150 mm insulation thickness).
- Optimum screw geometry for fast and clean cutting into the insulation.
- The deep countersink helps to avoid fixing marks.
- With ETA approval for all building material classes A, B, C, D, E.
- Very simple drill hole depth calculation.
- Expansion part with optimised expansion zone of 35 mm requires just one drill hole depth in all conventional building materials.
- The robust installation tool is easy to use and ensures quick progress.
- Setting check through simple pressing test with the setting tool.
- Installation opening can be sealed with PU foam or a plug.

Easy to assemble: Quick, easy and securely anchored.

Installation



Product preparation

- Set the insulation thickness on the installation tool.
- After drilling, place the ETICS fastener in the drill hole.
- Place the installation tool in the appropriate hexagonal socket.



Screwing into the insulation

- The termoz SV II ecotwist's screw-mounted support plate cuts into the insulating board without damaging it.
- The anti-rotation lock keeps the fastener in the correct position during screwing into the insulating board.



Screwing in the steel screw

- When the depth stop reaches the solid base material, the screw is rotated in the expansion zone and compressed in the meshed compression zone.
- The identical thread lead on the steel screw and the screw-mounted support plate guarantees an even drive.



Anchoring into the building material

- Screwing in the screw causes the fixing sleeve to expand, in turn anchoring the termoz SV II ecotwist into the building material.
- During the installation process, the compression zone is compressed to a minimum.
- The fixing is fully installed when the marking ring / stop disc on the installation tool is flush with the surface of the insulation.
- After the pressure test, the installation tool can be removed and the drill hole sealed using PU foam or the PS sealing element.



fischer termoz SV II ecotwist installation tool

- Available in 260 mm and 400 mm sizes.
- Insulation thickness can be easily set on the setting tool.
- Suitable for universal use: Can be set to the respective insulation thickness.
- Contains stop disc to support the visual setting depth marking.



The right fixing for every application.

termoz SV II ecotwist 0 – 10

- The fixing for all insulation thicknesses for new builds.
- Tolerance compensation 0 – 10 mm¹

**termoz SV II ecotwist 10 – 30**

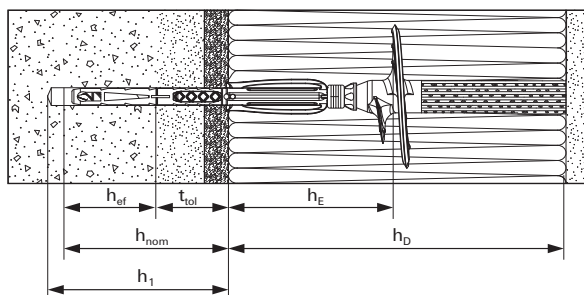
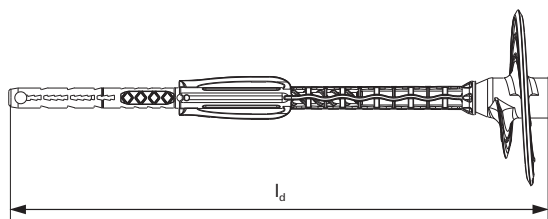
- The fixing for all insulation thicknesses for standard renovations.
- Tolerance compensation 0 – 30 mm¹

**termoz SV II ecotwist 30 – 60**

- The fixing for all insulation thicknesses for renovations with especially thick, old plaster or old layers of insulation.
- Tolerance compensation 30–60 mm¹



¹⁾ The tolerance compensation corresponds to the sum of the non-bearing layers, e.g. plaster, adhesive, etc.



Product range table

[illegible]

Loads

Load table						
Base material	Cat.	Gross density class p [kg/dm³]	Minimum compres- sive strength f _b [N/mm²]	Remarks	Drilling process ²⁾	Characteristic tensile load capacity N ^{RK} [kN]
Thin concrete slabs (e.g. weather facing) Concrete ≥ C20/25				Thickness of the thin slabs 100 mm < h ≤ 40 mm	H	0.9
Thin concrete slabs (e.g. weather facing) Concrete ≥ C20/25				Thickness of the thin slabs 100 mm < h ≤ 40 mm	D	1.5
Concrete C12/15 – C50/60 EN 206-1	A	-	-	-	H	1.5
Solid sand-lime brick, KS DIN V 106 / EN 771-2	B	≥ 2.0	20	Cross-section reduced by up to 15% by the holes vertical to the bearing surface	H	1.5
			12			1.2
Masonry brick, MZ DIN 105-100 / EN 771-1	B	≥ 1.8	12	Cross-section reduced by up to 15% by the holes vertical to the bearing surface	H	1.2
Solid blocks made from normal weight concrete, Vbn DIN 18153-100 / EN 771-3	B	≥ 2.0	20	Cross-section reduced by up to 10% by the holes vertical to the bearing surface	H	1.5
			12			1.2
Solid blocks made from light- weight concrete, Vbn DIN 18152-100 / EN 771-3	B	≥ 1.4	8	See approval	H	0.6
Perforated sand-lime brick, KSL DIN V 106-100 / EN 771-2	C	≥ 1.4	20	Cross-section reduced by more than 15% by the holes vertical to the bearing surface, outer wall thickness ≥ 23 mm	H	1.2
			12			0.75
Vertically perforated brick, HLz DIN 105-100 / EN 771-1	C	≥ 1.0	12	Cross-section reduced by more than 15% and less than 50% by the holes vertical to the bear- ing surface, outer wall thickness ≥ 12 mm	D	0.75
Hollow blocks made from light- weight concrete, Hbl DIN V 18151 / EN 771-3	C	≥ 1.2	10	See approval	H	1.2
			8			0.9
			6			0.75
			4			0.6
French parpaing stone (breeze block) EN 771-3 / NF P 14301	C	≥ 0.9	4		H	0.5
Porous lightweight concrete LAC DIN EN 1520	D	≥ 0.9	6	-	H	0.75
Aircrete PP DIN V 4165-100 / EN 771-4	E	≥ 0.5	4	-	D	0.4
Partial safety factor ¹⁾						2.0

¹⁾ In the absence of other national regulations ²⁾ H = hammer drilling / D = rotary drilling

fischer FIXPERIENCE. The design and information software suite.



- The modular design program includes engineering software and application modules.
- The software is based on international design standards (ETAG 001 and EC2, such as EC1, EC3 and EC5), including the national application documents. All common force and measurement units are available.
- Incorrect input will be recognized and the software gives tips to get a correct result. This ensures a safe and reliable design every time.
- The graphical display can easily be rotated through 360°, panned, tilted or zoomed as required.
- The 3D display gives a detailed and realistic image.
- The "live update" feature helps to keep the program up to date ensuring you are always working with the latest version.
- Free download and updates at www.fischer.de/fixperience-en

Our service to you.



We are available to you at any time as a reliable partner to offer technical support and advice:

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- Competence and innovation through own research, development and production.
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- Training sessions, some with accreditation, at your premises or at the fischer ACADEMY.
- Design and construction software for demanding applications.

Regional Presence

U.A.E

fischer FZE (Regional Office)

R/A 07, BA 01 - 04
Jebel Ali Free Zone
Dubai, UAE
P. O. Box 261738
Tel: +971 4 883 7477
Fax: +971 4 883 7476
Email: enquiry@fischer.ae

Abu Dhabi

Tel: +971 2 552 5777
Fax: +971 2 552 6566
Email: enquiry@fischer.ae

State of Qatar

Tel: +974 4036 3100
Fax: +974 4471 0898
Email: qatar@fischer.ae

Kingdom of Saudi Arabia

Tel: +966 13 8140866
Fax: +966 13 8140855
Email: saudi@fischer.ae

State of Kuwait

Tel: +965 2481 8786,
+965 2482 5972
Fax: +965 2481 8385
Email: kuwait@fischer.ae

Kingdom of Bahrain

Tel: +973 17408090
Fax: +973 17404323
Email: bahrain@fischer.ae

Sultanate of Oman

Tel: +968 24445425/26/27/28/30
Fax: +968 24445423
Email: oman@fischer.ae

Pakistan

Tel: +923 01 8266216
Email: pakistan@fischer.ae

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