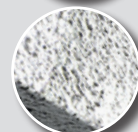
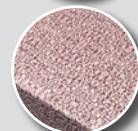
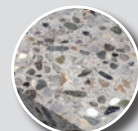


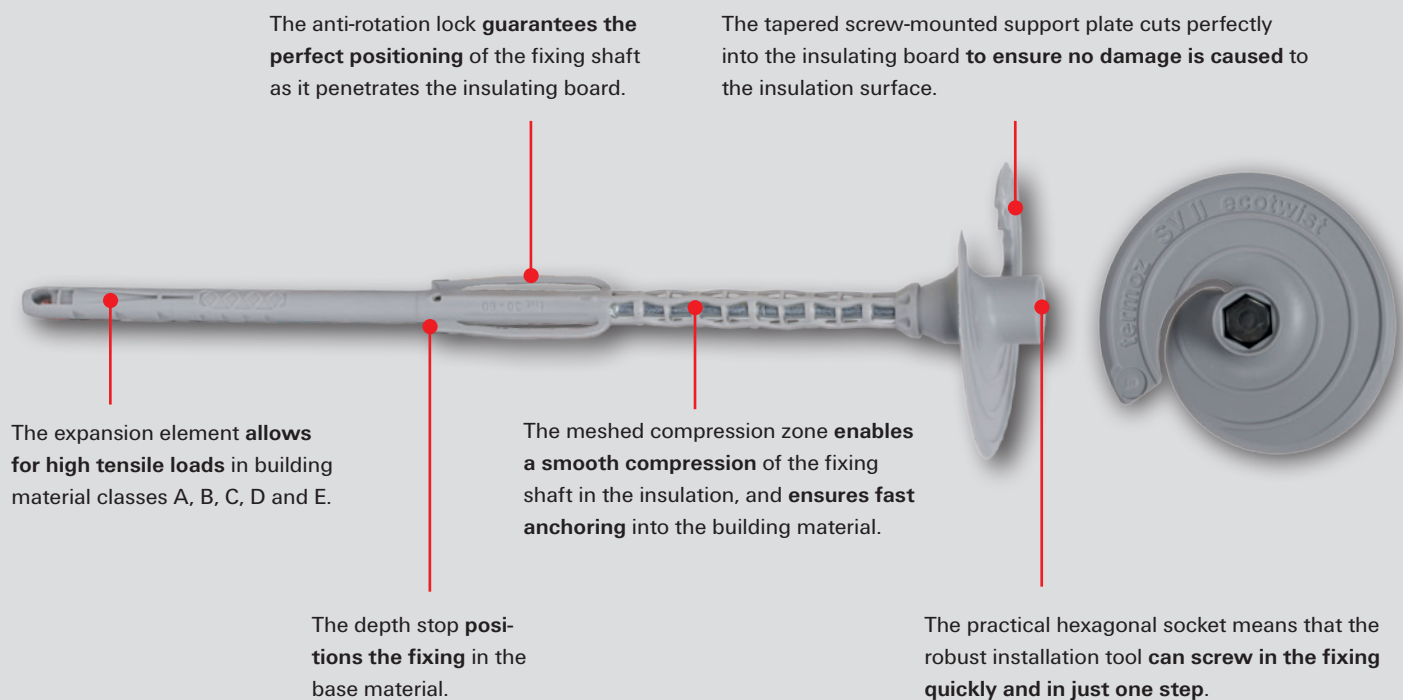
fischer termoz SV II ecotwist

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

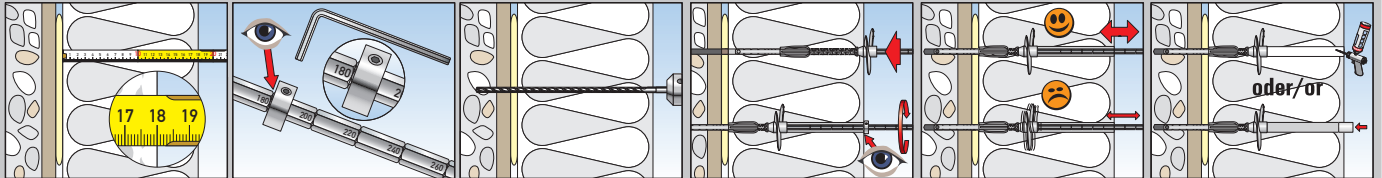


Benefits/ Advantages

- 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

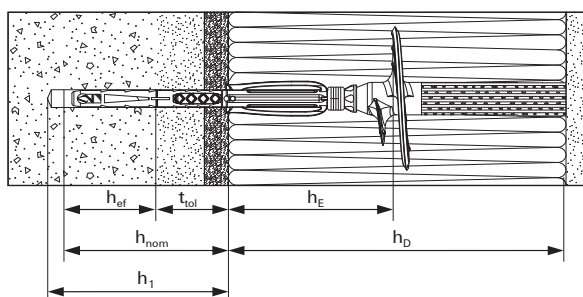
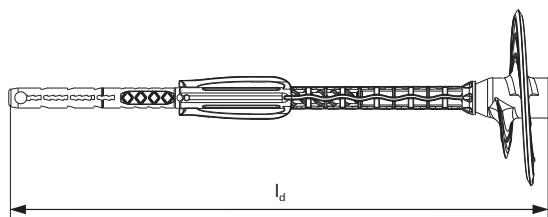


termoz SV II ecotwist 30 – 60

- 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 compressive 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

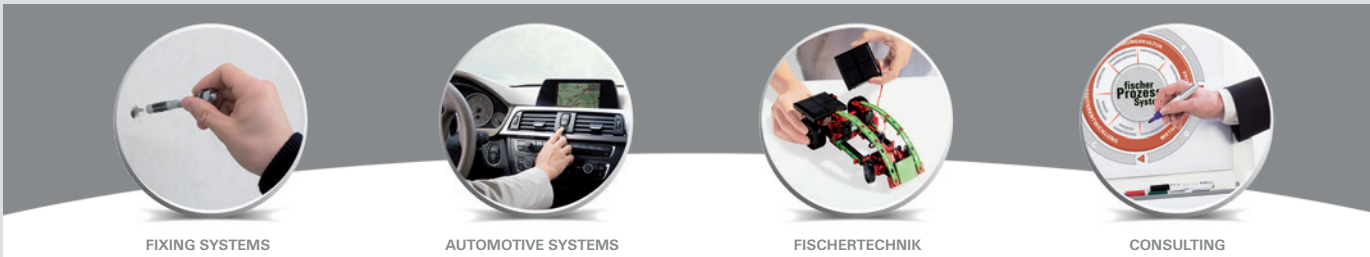
Our all-round service for you.



We are a reliable partner, one that will stand by your side and address your individual requirements with advice and action:

- Our products range from chemical systems and steel anchors to plastic anchors.
- Competence and innovation through own research and development.
- Global presence and active sales service in more than 100 countries.
- Qualified application-specific advice for economic installation solutions that are compliant with directives. If need be we are there for you – even at the construction site.
- Training measures (some with certification) at your premises or at the fischer ACADEMY.
- Construction and design software for challenging fixings.

This is what fischer stands for.



FIXING SYSTEMS

AUTOMOTIVE SYSTEMS

FISCHERTECHNIK

CONSULTING