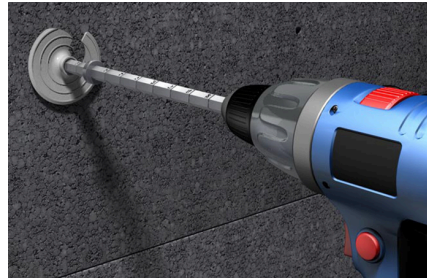


The innovative countersinkable ETICS fixing for all building material classes



BUILDING MATERIALS

- Building material classes A, B, C, D, E
- Concrete
- Concrete (weather shell)
- Building brick
- Solid sand-lime brick
- Hollow blocks made from lightweight concrete
- Vertically perforated brick
- Perforated sand-lime brick
- Aerated concrete
- Lightweight aggregate concrete
- Sepa Parpaing (French brick)

APPROVALS



ADVANTAGES

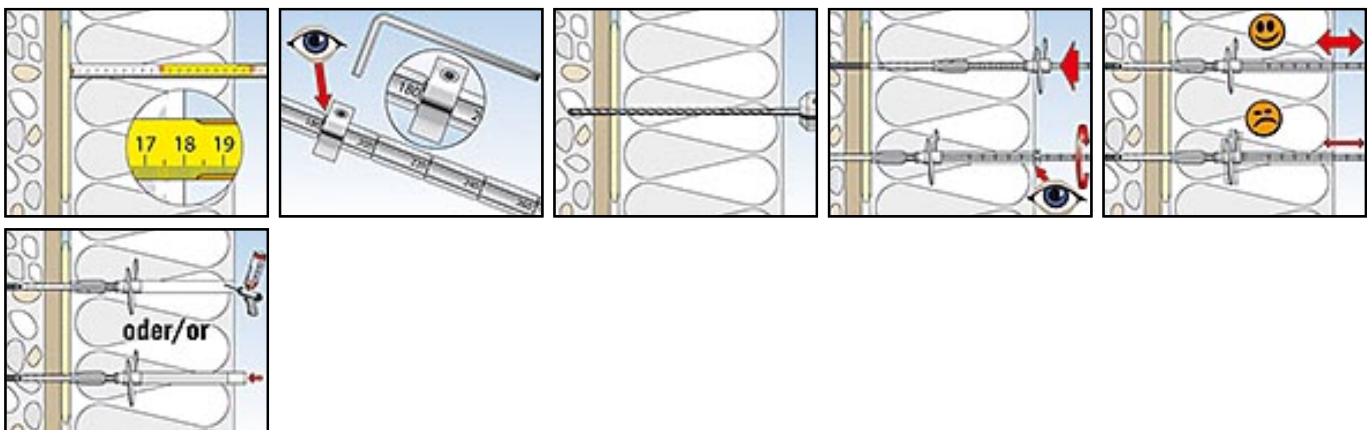
- Standard anchoring depth for all building materials.
- One fixing for all insulating material thicknesses from 100 mm to 400 mm. This increases productivity, saves time and storage space.
- Sturdy setting tool with stop disc for a simple and precise setting procedure.
- The screw disc cuts in cleanly, without damaging the insulating material.
- Simple setting using the specially designed setting tool.

APPLICATIONS

- Attachment of ETICS polystyrene rigid foam boards and similar mineral wool boards to concrete and masonry materials.
- Counterbored installation

FUNCTIONING

- The fixing is inserted through the insulating material into the drill hole and screwed in using the setting tool.
- The screwing disc and screw have the same pitch, which means they turn at the same time through the insulation until the anti-rotation lock meets the base.
- Then the steel screw turns into the expansion zone. The compression zone is compressed until it is only a few millimetres thick and the fixing is anchored in the base.
- The setting process is completed when the marking ring is flush with the insulation.



TECHNICAL DATA



termoz SV II ecotwist

Type	Art.-No.	ETA-approval	Insulation thickness h_D [mm]	Shaft diameter [mm]	Thickness tolerance compensation t_{tol} [mm]	Effect. anchorage depth h_{ef} [mm]	Sales unit [pcs]
termoz SV II ecotwist 0-10	530353	■	100 - 400	8	0 - 10	35	100
termoz SV II ecotwist 10-30	530354	■	100 - 400	8	0 - 30	35	100
termoz SV II ecotwist 30-60	530355	■	100 - 400	8	30 - 60	35	100

LOADS

Permissible loads^{1) 4)} for a single anchor for fixing of external thermal insulation composite systems

For the design the complete approval ETA-12/0208 has to be considered.

Base material ³⁾	min. raw density class ρ [kg/dm ³]	min. compressive brick strength f_b [N/mm ²]	Drilling method ²⁾ [-]	Permissible loads according ETA-approval [kN]
Concrete		C12/15	H	0,50
Concrete		C16/20	H	0,50
Concrete		C50/60	H	0,50
Solid sand-lime brick KS	2,0	12	H	0,40
Solid sand-lime brick KS	2,0	20	H	0,50
Solid brick Mz	1,8	12	H	0,40
Full blocks made from concrete Vbn	2,0	12	H	0,40
Full blocks made from concrete Vbn	2,0	20	H	0,50
Perforated sand-lime brick KSL	1,4	12	H	0,25
Perforated sand-lime brick KSL	1,4	20	H	0,40
Vertically perforated brick Hlz	1,0	12	R	0,25
Hollow blocks made from lightweight concrete Hbl	1,2	8	H	0,30
Hollow blocks made from lightweight concrete Hbl	1,2	10	H	0,20
Solid blocks made from lightweight concrete Vbl	1,4	8	H	0,20
Lightweight aggregate concrete LAC	1,0	6	H	0,25
Aerated concrete PP	0,5	4	R	0,13
Triple-skin outer wall panels made of concrete		C20/25	H	0,30

¹⁾ The required partial safety factors for material resistance as well as a partial safety factor for load actions $\gamma_f = 1,5$ are considered.

²⁾ H = Hammer drilling; R = Rotary drilling

³⁾ Restrictions concerning each producer and the possible hole pattern resp. web thickness please see approval. The characteristic tension resistance of the anchor may be determined by means of job site pullout tests carried out on the material actually used, if a characteristic resistance of the base material does not exist.

⁴⁾ Tensile loads only