

Insulation fixing FID

Thermal bridge-free installation in insulation materials



Letterbox



External lighting

Applications

To fix lightweight attachments on ETICS facades. The application areas are ETICS facades made of:

- Polystyrene
- Mineral wool
- Soft wood fibre
- Alternative ecological insulation boards

Advantages

- Since the anchor is set exclusively in the insulation itself, fixtures can be installed without thermal bridges.
- The geometry of the FID allows for a simple installation in thin layers of plaster, without the need for pre-drilling, thus saving a stage of installation.
- The FID 50 is used in thin insulating

boards from 50mm. The FID 90 is used in thicker insulating boards, and can bear higher loads.

- The bit mounting allows for setting with standard tools, thus allowing for a fast and economic installation.

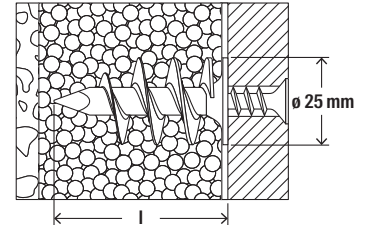
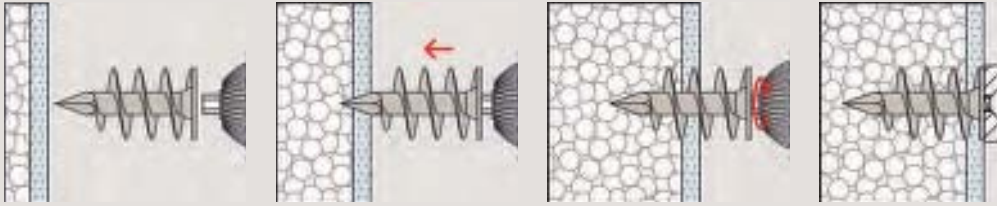
Building materials

- Non-plastered, pressure-resistant insulating boards
- Plastered, pressure-resistant insulating boards
- ETICS insulating boards

Functioning

- The FID can be set in the insulating board with a cordless screwdriver or by hand.
- The special spiral thread taps itself in the insulating board.
- Fixtures are fixed with a 4.5 mm screw for the FID 50, and with a 6 mm screw for the FID 90.
- Water ingress in the insulation can be prevented by sealing the plug collar with a suitable sealant after successful pre-positioned installation.
- We recommend to predrill an 6 mm hole in ETICs rendering.

Installation FID



Technical data

Insulation fixing FID



FID 50

FID 90

Item	Item No.	Anchor length l [mm]	Min. bolt penetration [mm]	Wood and chipboard screws d _s [mm]	Drive	Sales unit [pcs]
FID 50	048213	50	50	4,5 - 5	T40	50
FID 90	510971	90	90	6	6 mm / 6-kt	25

Loads

Insulation fixing FID

Recommended loads¹⁾ for a single anchor.

The given loads are valid for chipboard screws with maximum diameter.

Type		FID 50	FID 90
Screw diameter	[mm]	4.5 - 5,0	6.0
Recommended loads in the respective base material N _{rec} ²⁾			
Polystyrene	PS 15	[kN] 0.07	0.17
Polystyrene	PS 20	[kN] 0.10	0.20

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile loads.