Fixings in ETICS

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BUILDING MATERIALS

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

INSULATION FIXING FID

The fixing for anchoring in insulation

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.

APPLICATIONS

To fix lightweight fixtures in plastered and non-plastered insulating boards.
The areas of application are:

- Façade construction (ETICS)
- Insulating construction
- Electric construction
- Refrigerated and climate construction
- Acoustic construction
- Down pipes

FUNCTIONING

- The FID can be set in the insulating board with a cordless screwdriver or by hand.
- The special spiral thread taps itself into 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.

TECHNICAL DATA

Item	Art.-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	Internal hex 6mm	25

LOADS

Insulation fixing FID
Highest recommended loads[1] for a single anchor.
The given loads are valid for chipboard screws with maximum diameter.

Type			FID 50	FID 90
Screw diameter	Ø	[mm]	4,5- 5,0	6
Recommended loads in the respective base material F_{rec} [2]				
Polystyrene	PS 15	[kN]	0,05	0,08
Polystyrene	PS 20	[kN]	0,09	0,14

[1] Includes the safety factor 5.

[2] Valid for tensile load.