

## The fixing for anchoring in insulation



Fixings in ETICS



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### 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

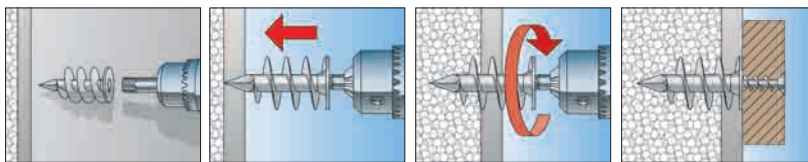
### BUILDING MATERIALS

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

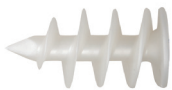
### FUNCTIONING

- The FID can be set in insulating boards 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 pre-positioned installation.

### INSTALLATION



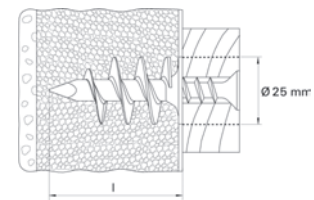
### TECHNICAL DATA



Insulation fixing **FID 50**



Insulation fixing **FID 90**



Item to order only		Anchor length l	Min. bolt penetration	Wood and chipboard screws d <sub>s</sub>	Actuation	Sales unit
Item	Art.-No.	[mm]	[mm]	[mm]		[pcs]
<b>FID 50</b>	<b>048213</b>	50	50	4,5 - 5,0	TX40	50
<b>FID 90</b>	<b>510971</b>	90	90	6	6 mm / 6-kt	25

### LOADS

#### Insulation fixing FID

Highest recommended loads<sup>1)</sup> for a single anchor.

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

Type			<b>FID 50</b>	<b>FID 90</b>
Screw diameter	∅	[mm]	4,5- 5,0	6
<b>Recommended loads in the respective base material F<sub>rec</sub><sup>2)</sup></b>				
Polystyrene	PS 15	[kN]	0,05	0,08
Polystyrene	PS 20	[kN]	0,09	0,14

<sup>1)</sup> Includes the safety factor 5.

<sup>2)</sup> Valid for tensile load.