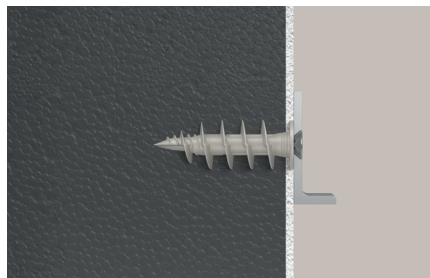
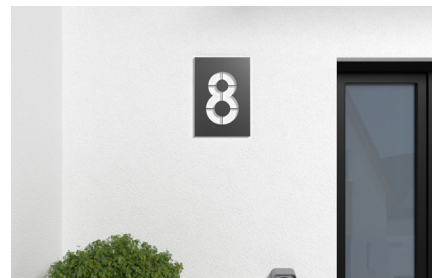


Insulation plug FID II

The insulation plug for lightweight attachments to the ETICS.



FID II in polystyrene



Fixings of house numbers

11

Applications

- Outdoor lighting
- Motion detector
- House number
- Doorbell

Advantages

- The use of standard screws with a diameter of 3.5 - 4.5 mm allows flexible use.
- Due to the minimal head diameter, the plug edge is not visible even with narrow attachments.
- Maximum stability due to glass-fibre reinforced plastic.
- Due to the special tip geometry, the plug

screws through plaster thicknesses of up to 10 mm without pre-drilling, which enables a fast processing.

- The FID II is easily set with a standard TX 40 bit.
- The fischer insulation plug enables an universal use in all common insulation materials.

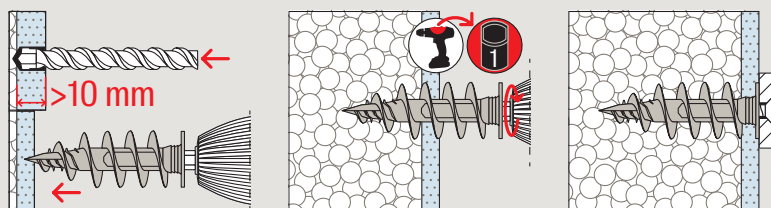
Building materials

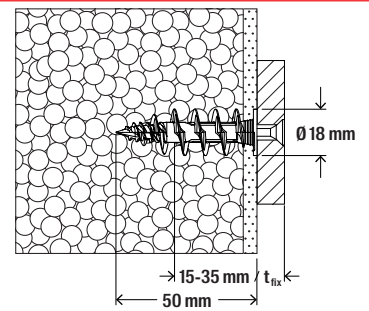
- Mineral wool
- Expanded polystyrene (EPS)
- Extruded polystyrene (XPS)
- Wood fibre
- Polyurethane rigid foam (PU)

Functioning

- The FID II is placed in the ETICS with a cordless screwdriver.
- For thick layers of plaster from 10 mm pre-drilling is recommended.
- The insulation plug anchors itself firmly in the insulation material without destroying the plaster.
- After successful pre-positioned installation, the FID II can be additionally sealed with a sealing compound.

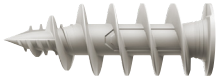
Installation FID II





Technical data

Insulation fixing FID II



FID II

		Anchor length l [mm]	Anchor head dia- meter D [mm]	Min. bolt penet- ration l _{E,min} [mm]	Max. bolt penet- ration l _{E,max} [mm]	Drive	Wood and chipbo- ard screws d _s [mm]	Sales unit [pcs]
Item	Item no.							
Insulation plug FID II	570347	50	18	15	35	TX40	3.5 - 4.5	50

Loads

Insulation fixing FID II & FID II Plus

Recommended loads¹⁾ of a single anchor.

The given loads are valid for chipboard screws with specified diameter and only for the specified insulation types with plaster thicknesses.

Type		FID II	FID II Plus	FID II Plus Fill&Fix ³⁾	FID II Plus 1C PU foam ⁴⁾
Diameter chipboard screw	[mm]	4	5	5	5
Recommended load in the respective insulation material N _{rec} ²⁾					
EPS with plaster	Plaster thickness 8 mm	[kN]	0.15	0.20	0.40 ⁵⁾
Mineral wool with plaster	Plaster thickness 8 mm	[kN]	0.05	0.10	0.20 ⁶⁾
Wood fibre with plaster	Plaster thickness 13 mm	[kN]	0.15	0.20	-

¹⁾ Required safety factors are considered.

²⁾ Valid for tensile load, transverse load and diagonal pull.

³⁾ Injection with fischer Fill&Fix injection fixing, injection quantity in EPS: 35 scale parts, in mineral wool & wood fibre: 60 scale parts, curing time: 2 min.

⁴⁾ Injection with fischer 1C PU foam.

⁵⁾ Three short sprays (observe absorption capacity of insulation material, adjust interval), curing time: 14-24 h. Protection of the plaster façade from chemical residues is recommended.

⁶⁾ Five short sprays (observe absorption capacity of insulation material, adjust interval), curing time: 14-24 h. Protection of the plaster façade from chemical residues is recommended.