

# Loads

## Insulation plug FID II & FID II Plus

Recommended loads<sup>1)</sup> 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 <sup>3)</sup>	FID II Plus 1C PU foam <sup>4)</sup>
Diameter chipboard screw	[mm]	4	5	5	5
Recommended load in the respective insulation material N <sub>rec</sub> <sup>2)</sup>					
EPS with plaster	Plaster thickness 8 mm	[kN]	0.15	0.20	0.40 <sup>5)</sup>
Mineral wool with plaster	Plaster thickness 8 mm	[kN]	0.05	0.10	0.20 <sup>6)</sup>
Wood fibre with plaster	Plaster thickness 13 mm	[kN]	0.15	0.20	-

<sup>1)</sup> Required safety factors are considered.

<sup>2)</sup> Valid for tensile load, transverse load and diagonal pull.

<sup>3)</sup> 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.

<sup>4)</sup> Injection with fischer 1C PU foam.

<sup>5)</sup> 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.

<sup>6)</sup> 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.