

# 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<br>Fill&Fix <sup>3)</sup> | FID II Plus<br>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.