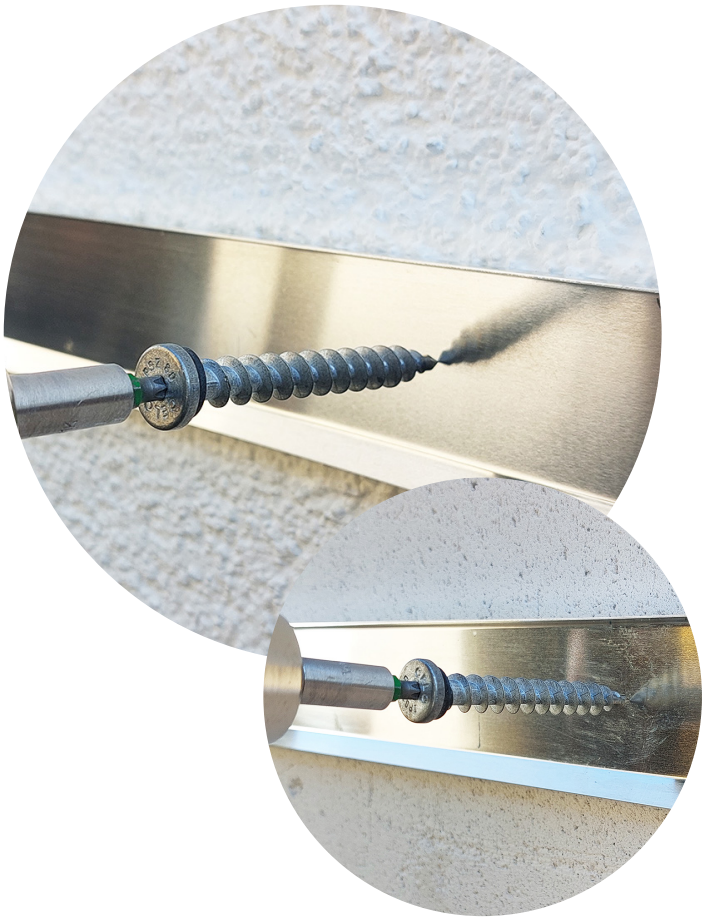
Insulation screw IPSZ 80



Advantages

IPSZ 80, zinc die casting

- Special screw for direct fastening into into external thermal insulation composite systems (ETICS) - fast and without thermal bridges!
- For fastening of wall connection profiles, metal sheets, base protection profiles, cornice covers, motion detectors, lamps, signs, etc. into the insulation material
- No pre-drilling in plaster due to sharp drilling tip
- Installation directly into aerated concrete AAC2 and AAC4 (with increased pressure) possible
- The drill tip drills through thin sheet metal
- Ageing, weather and UV-resistant EPDM sealing ensures reliable sealing
- Pre-assembled and ageing, weather and UV-resistant EPDM sealing
- EPDM sealing ensures clean sealing against driving rain up to wind force 11 (violent storm), tested according to DIN EN 1027, no reworking required
- Stylish flat head with TX-recess
- Suitable for clearance holes Ø 8 mm (common for wall profiles)
- Also suitable for light duty fixings in combination with a screw Ø 3,5 mm
- Good corrosion resistance

Suitable building materials

Very suitable

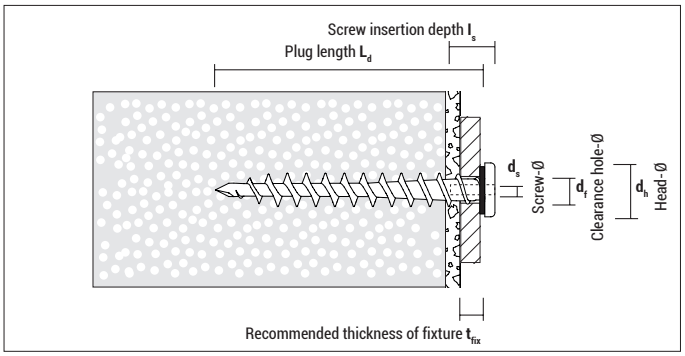
- External Thermal Insulation Composite Systems (ETICS)
- Styrofoam boards
- Hard foam boards
- Polystyrene boards
- Wood fibre boards and perimeter insulation (IPSZ-H, see page 102, is recommended)

- Aerated concrete AAC2
- Aerated concrete AAC4

Approvals and certificates

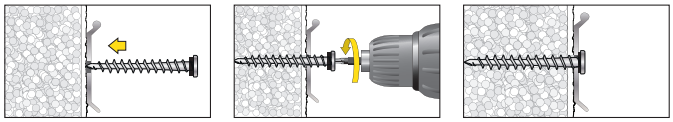
Tested for driving rain tightness by the Prüfzentrum für Bauelemente (Germany)

Insulation screw IPSZ 80

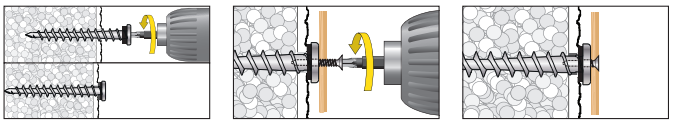


Mounting

Wall connection profiles



Light duty fixings with screw



Usable with: Screw Ø 3,5 mm;
Screw length L_s = 10 mm + Thickness of fixture

IPSZ 80 made of zinc die casting, with EPDM sealing

Type	Art-No	L_d [mm]	d_h [mm]	l_s [mm]	d_s [mm]	t_{fix} [mm]	Drive	d_f [mm]	€ / 100 pcs	[pcs]	[pcs]
IPSZ 80	980IPSZ	80	16	10	3,5	≤ 10	TX 25	8 – 10 *		50	900

* Soft tinsmith profiles can be drilled directly.

Loads and dimensions

Type	Applications in Polystyrene EPS (PS15, PS20) unplastered F_{rec} [kN]	Applications in Polystyrene EPS (PS15, PS20) plastered F_{rec} [kN]	Application in Rockwool, Coverrock Plus unplastered [1] F_{rec} [kN]	Applications in Polystyrene XPS (perimeter insulation) unplastered F_{rec} [kN]	Aerated concrete AAC2 F_{rec} [kN]	Aerated concrete AAC4 F_{rec} [kN]	Thickness of insulation material or brick ≥ [mm]
IPSZ 80	0,04	ca. 0,06*	0,02	0,09[1]	0,23	0,27	80

F_{rec}: Recommended load in all directions incl. safety factor of 5
* Value may differ depending on the type and thickness of the plaster
[1] Avoid impact loads