

Stand-off installation TherMax 8 and 10

Recommended loads¹⁾ of a single anchor in concrete and masonry.

Type		TherMax 8	TherMax 10
Supplied type of plug for the anchorage in the base material		UX 10 x 60	UX 12 x 70
Recommended tensile loads in the respective base material N_{rec} ²⁾			
Concrete ^{3) 4)}	≥ C20/25	[kN] 1.00	1.00
Solid brick ^{3) 4)}	≥ Mz 12	[kN] 0.50	0.70
Perforated sand-lime brick ^{3) 4)}	≥ KSL 12	[kN] 0.60	0.80
Vertically perforated brick ⁴⁾	≥ Hlz 12	[kN] 0.20	0.30
Aerated concrete ^{3) 4)}	≥ AAC 4	[kN] 0.40	0.60
Recommended shear load V_{rec} , valid für all above mentioned base materials for the stated insulation thickness			
External Thermal Insulation Composite System ⁵⁾	≤ 240 mm	[kN] 0.15	0.20

¹⁾ Required safety factors are considered.

²⁾ The drilling method is to be adapted to the building material used. As different joint qualities are possible, the given values only apply for installation in the brick.

³⁾ The given recommended tensile loads apply for fastenings with metric screws.

When using chipboard screws with diameter 6.0 mm they have to be reduced to 0.35 kN.

⁴⁾ The given recommended tensile loads apply for fastenings with metric screws.

When using a SX 5-plug chipboard screws with diameter 4.5 - 5.5 mm they have to be reduced to 0.1 kN.

⁵⁾ Values are valid for an ETICS made from PS- respectively PU-rigid foam panels. Thickness of rendering minimum 6 mm.