LOADS

Stand-off installation Thermax 8 and 10

Highest recommended loads[1] 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]	≥ PB 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.