Loads

Stand-off installation TherMax 8 and 10

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]	≥ 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 Plus 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.