

## LOADS

### Stand-off installation Thermax 8 and 10

Highest recommended tensile loads<sup>1)</sup> for a single anchor.

Type			UX10/Thermax 8	UX12/Thermax 10
<b>Recommended tensile loads in the respective base material <math>N_{rec}</math><sup>2)</sup></b>				
Concrete <sup>3) 4)</sup>	≥ C20/25	[kN]	1,00	1,00
Solid brick <sup>3) 4)</sup>	≥ Mz 12	[kN]	0,50	0,70
Perforated sand-lime brick <sup>3) 4)</sup>	≥ KSL 12	[kN]	0,60	0,80
Vertically perforated brick <sup>4)</sup>	≥ Hlz 12	[kN]	0,20	0,30
Aerated concrete <sup>3) 4)</sup>	≥ P 4	[kN]	0,40	0,60

<sup>1)</sup> Includes the safety factor 7.

<sup>2)</sup> The UX-plug must be installed in the base material with full anchorage depth. 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.

<sup>3)</sup> 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.

<sup>4)</sup> 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.

## LOADS

### Stand-off installation Thermax 8 and 10

Highest recommended shear loads<sup>1)</sup> for a single anchor.

Type			UX10/Thermax 8	UX12/Thermax 10
<b>Recommended shear loads <math>V_{rec}</math><sup>1)</sup></b>				
External Thermal Insulation Composite System <sup>2)</sup>	$\leq 180$ mm	[kN]	0,15	0,20

<sup>1)</sup> Required safety factors are considered.

<sup>2)</sup> Values are valid for an EWI made from PS- respectively PU-rigid foam panels.