



Stand-off installation Thermax 8 and 10

The new design of Stand-off installation in composite thermal insulation systems (WDVS).

OVERVIEW



Thermax 8 / 10 with cover cap



Universal plug UX

Suitable for:

- Non-cracked concrete
- Solid brick
- Solid sand-lime brick
- Hollow block made from lightweight concrete
- Vertical perforated brick
- Perforated sand-lime brick
- Aircrete
- Can also be screwed directly into pre-drilled wood

DESCRIPTION

- Self-tapping cone tip cuts its own way through the plaster into the insulation during installation.
- The anti-cold cone uses a thermal barrier to minimise heat losses.

Advantages/Benefits

- Thermal barrier.
- Adjustable.
- Simple, quick and professional installation without special tools, no nuts/locknuts or spacers necessary.
- Secure - anchored in the substrate.
- High loads.
- Stud-screw can be screwed directly into wood.
- Usable lengths from 45 mm to 180 mm.
- Small cover cap dimensions.
- Variety of possible fitting methods:
 - with SX 5: 4,5-5,5 mm chipboard screws
 - 6,0 mm chipboard screws
 - 6,3 mm self-tapping screws
 - M6 / M8 / M10

THERMAX - ADVANTAGES AT A GLANCE



Usable lengths
from 45 - 180 mm.

Stud screw
can also be screwed directly into pre-drilled wood.

The thermal barrier
minimises heat losses.

Adjustable
0 - 20 mm.

Recessing
cuts its own way through the plaster into the insulation during installation.

Cover cap
closes off to give a clean appearance.

Installation
Can be fitted with a common SW 10 or 13 socket.

Variety of possible fitting methods:

- with SX 5: 4,5 - 5,5 mm chipboard screws
- 6,0 mm chipboard screws
- 6,3 mm self-tapping screws
- M6 / M8 / M10

UX 10 / UX 12
Universal fixing for secure anchorage in all usable building materials.



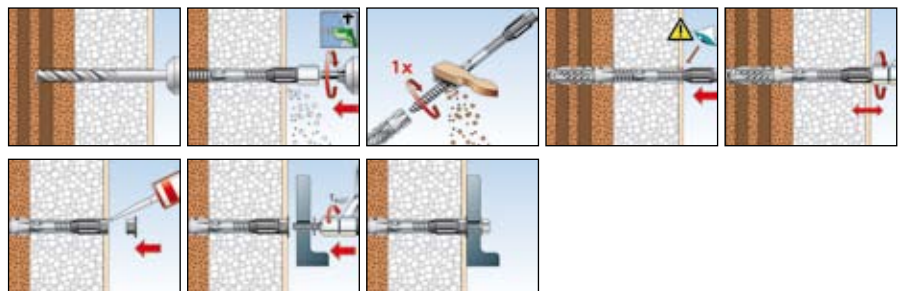
INSTALLATION

Type of installation

- Pre-positioned installation

Installation information

- Installation without any special tools.



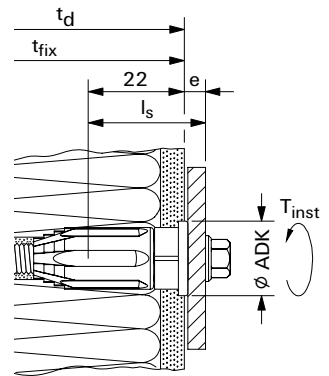
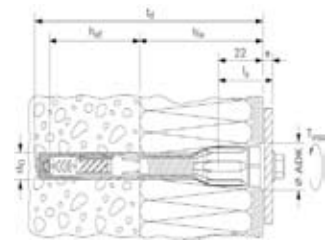
FIXING PRINCIPLES

In detail: The general principles for installation, the correct drilling procedure and much more on page 303.

TECHNICAL DATA

Thermax 8 and 10

Type	Art.No.	ID	drill-Ø		usable length	anchorage depth	cover-cap-Ø	width across nut	chipboard screws, metric screws, tapping screws	Qty. per box
			d_0 [mm]	h_0 [mm]						
Thermax 8/60 M6	45685	9	10	120	45 - 60	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/80 M6	45686	6	10	140	60 - 80	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/100 M6	45687	3	10	160	80 - 100	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/120 M6	45688	0	10	180	100 - 120	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/140 M6	45689	7	10	200	120 - 140	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/160 M6	45690	3	10	220	140 - 160	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 8/180 M6	45691	0	10	240	160 - 180	60	18	10	4,5 - 6,0 / M6 / 6,3	20
Thermax 10/100 M6	45692	7	12	160	80 - 100	70	22	13	4,5 - 6,0 / M6 / 6,3	20
Thermax 10/120 M6	45693	4	12	180	100 - 120	70	22	13	4,5 - 6,0 / M6 / 6,3	20
Thermax 10/140 M6	45694	1	12	200	120 - 140	70	22	13	4,5 - 6,0 / M6 / 6,3	20
Thermax 10/160 M6	45695	8	12	220	140 - 160	70	22	13	4,5 - 6,0 / M6 / 6,3	20
Thermax 10/180 M6	45696	5	12	240	160 - 180	70	22	13	4,5 - 6,0 / M6 / 6,3	20
Thermax 10/100 M8	45697	2	12	160	80 - 100	70	22	13	M8	20
Thermax 10/120 M8	45698	9	12	180	100 - 120	70	22	13	M8	20
Thermax 10/140 M8	45699	6	12	200	120 - 140	70	22	13	M8	20
Thermax 10/160 M8	45700	9	12	220	140 - 160	70	22	13	M8	20
Thermax 10/100 M10	45702	3	12	160	80 - 100	70	22	13	M10	20
Thermax 10/120 M10	45703	0	12	180	100 - 120	70	22	13	M10	20
Thermax 10/140 M10	45704	7	12	200	120 - 140	70	22	13	M10	20
Thermax 10/160 M10	45705	4	12	220	140 - 160	70	22	13	M10	20



LOADS

Recommended shear loads V_{rec} [kN] per Thermax.

Thermax M 8	0,15
Thermax M 10	0,20

Recommended axial tension N_{rec} [kN] (the safety factor $\gamma_L = 7$ is included).

Fixing type	UX 10 / Thermax 8	UX 12 / Thermax 10
Substrate		
Concrete \geq B25 ^{1) 2)}	1,00	1,00
Solid brick \geq Mz 12 ^{1) 2)}	0,50	0,70
Perforated sand-lime brick \geq KSL 12 ^{1) 2)}	0,60	0,80
Vertically perforated brick \geq Hlz 12 ^{1) 2)}	0,20	0,30
Aircrete P4 ^{1) 2)}	0,40	0,60

The anchor is installed in the load-bearing base at the full anchorage depth. The drilling method is to be adapted to the building material used. As different joint qualities are possible, these values only apply for installation in building material.

¹⁾ Recommended axial tension for use with chipboard screws with a diameter of 6,0 mm: 0,35 kN.

²⁾ Recommended axial tension for use with SX 5 with chipboard screws 4,5 - 5,5: 0,10 kN.