

FMM FIXING



Overview

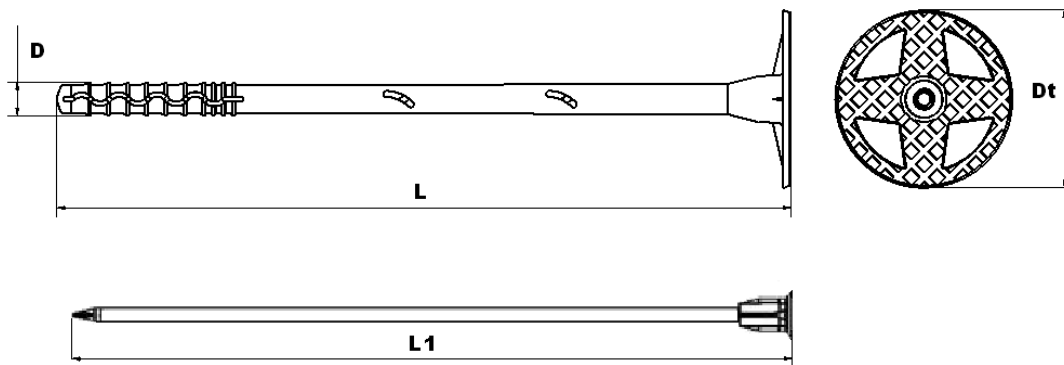
The FMM plug is used for the installation of insulation systems, technically called ETICS (External Thermal Insulation Composite System) on very durable wall mounts. The anchor consists of a HDPE plug and a galvanized steel pin with a PA6 hood cap covering the thermal bridge, which proves to be very resistant on impact with the hammer.

Material

Plug: HDPE - High density polyethylene.

Pin: Galvanized steel.

Fixing Dimensions



Code	Size DxL	Dt	L1	Minimum anchorage depth	Maximum anchorage depth
FMM10X130	10x130	58	128	30	100
FMM10X150	10x150	58	148	30	120
FMM10X180	10x180	58	178	30	150
FMM10X210	10x210	58	208	30	180
FMM10X240	10x240	58	238	30	210

Note: All measurements are in millimeters, unless otherwise stated.



Benefits

- Reduced anchorage depth.
- High quality and resistant materials.
- Wide range of temperatures (between -40°C and +80°C).
- Fast and easy installation.

Applications

Use on concrete, solid brick, hollow wall and stone for fixing insulation panels made of:

- Polystyrene.
- Cellular glass.
- Mineral wool.
- Polyurethane.
- Other insulation materials resistant to compression.

Packaging Informations

Code	Pcs/Box	Box/Carton	Carton/Pallet
FMM10X130	250	64	64
FMM10X150	250	64	45
FMM10X180	250	64	45
FMM10X210	250	64	35
FMM10X240	250	64	35

Loads

MECHANICAL STRENGTH [kN]

Code	Tensile strength on solid brick	Tensile strength on concrete R250	Tensile strength on hollow wall
FMN10X130	0,4	0,5	0,3
FMN10X150	0,4	0,5	0,3
FMN10X180	0,4	0,5	0,3
FMN10X210	0,4	0,5	0,3
FMN10X240	0,4	0,5	0,3

Note: 1 kN=100 kgf

The reported values are mean values obtained from internal tests.

WE RECOMMEND USING APPROPRIATE SAFETY COEFFICIENTS.

Installation

The laying of the anchor occurs after gluing the insulation panel on the wall (the glue must be hardened). A hole is made with the drill with a 10 mm drill bit of the appropriate depth and then you insert the anchor into the hole. Then insert the nylon pin into the anchor with a hammer so as to cause the expansion of the anchor. The pin must be fully inserted into the anchor to obtain a proper support.

The spacing between the anchors and the distance from the edge should be of 100 mm at least. The number of anchors per square meters depends on the type of panel, its thickness and the supporting masonry, in compliance with the admissible load values shown below.

Advice for installation / storage:

- Store the anchors at a temperature higher than 0 °C.
- The temperature recommended for the installation varies between 10°C and 40°C.