

Marfix-Plus: External Insulation System

DESCRIPTION:

Exterior thermal insulation system for facades be on tow systems.

FIRST SYSTEM (Ready Tiles) USING - Foam tiles with a density of (32-35) kg / m³ and thickness (3 cm).

SECOND SYSTEM (Site Work) USING - (EPS) Boards with a density of (25-30) kg / m³ and thickness (5 cm).

Then clad with marfix finishe material in accordance with the instruction .

FEATURES:

- 1- Thermal and sound insulation.
- 2- Protection from weather for external building walls.
- 3- (50-70) % less power consumption.

INSTALLATION INSTRUCTIONS:

First system (Ready Tiles)

- 1- The tiles are Installed using foam and EPS adhesive Marfix-Plus (MP100).
- 2 - Can add any type of joints between the tiles
(Aluminum, marble, wood ... etc).

Second system (Site Work)

- 1- Install a metal clip (U-sec) in the lower edges of the work .
- 2 - Installation of (EPS) Boards on the walls using Foam and (EPS) adhesive Marfix-Plus (MP100) and plastic anchors.
- 3- Treatment of joints between Boards with liquid foam.
- 4- Cover the (EPS) walls with a bonding layer Marfix-Plus (MP200).
- 5- Install a fiberglass mesh on the bonding layer.
- 6- Installation of plastic accessories for the corners and edges of the openings.
- 7-Cladding with a decorative finish layer to be in one of three types (Broken marble, profile, decorative).

Marfix-Plus System consist of the following materials:

A. Foam & EPS adhesive (MARFIX-PLUS / MP100)

PRODUCT DESCRIPTION:

Marfix-plus / MP100 is a high-performance adhesive mortar for fixing polystyrene insulation (Foam tiles & EPS boards) on all wall surfaces. Applied with a trowel, MP100 is an economical and fast way for reliable fixing of polystyrene boards.

FEATURES & BENEFITS:

High performance additives ensure excellent adhesion, long bucket life for outstanding workability, approved (EIFS) system component.

PACKING: In Poly Propylene bags of 20 kgs.

STORAGE: 12 months in its original closed bags, in a dry covered place

TECHNICAL DATA

COMPOSITION

Binder:	Grey or White cement and Hydrated lime.
Aggregates:	Graded sand (max. grain size 1.5mm)
Additives:	Contains additives to improve consistency, adhesion, setting Workability, waterproofing and resistance to high temperature .

SUBSTRATES

AAC. Block work, Concrete, fair-faced concrete, red brick, render.

APPLICATION

Mixing ratio:	(6 -7) L per 20KG
Rec. min. thickness	3mm
Max. Thickness/layer	5mm

TYPICAL PROPERTIES

Appearance:	Grey or White powder
Bonding strength:	> 0.1N/mm ² (on Foam & EPS Boards)
Color:	White/grey
Compressive strength:	>6N/mm ²
Consumption per m ² :	(1.5-1.6) kg/ mm ²
Flexural strength:	>2N/mm ²
Density	About 1.45 kg/litter in dry powder form. About 1.90 kg/litter when mixed with water.

STANDARD

The product is checked according to UNE-EN-ISO 9001.

FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1).

B. Bonding Layer (MARFIX-PLUS / MP200)

PRODUCT DESCRIPTION:

Marfix-plus / MP200 is a high-performance bonding and adhesive mortar to embed reinforcement mesh. MP200 can be used on expanded polystyrene (Foam tiles & EPS boards) or any other interior and exterior smooth, low-absorbent surface.

FEATURES & BENEFITS:

High performance additives ensure excellent adhesion with lightweight aggregates for easy workability.

PACKING: In Poly Propylene bags of 20 kgs.

STORAGE: 12 months in its original closed bags, in a dry covered place

TECHNICAL DATA

COMPOSITION

Binder:	Grey or White cement and .
Aggregates:	Graded sand (max. grain size 1.0mm).
Additives:	Contains additives to improve consistency, adhesion, setting Workability, waterproofing and resistance to high temperature .

SUBSTRATES

AAC. Block work, Concrete, fair-faced concrete, polystyrene, red brick, render.

APPLICATION

Mixing ratio:	(6 -7) L per 20KG
Rec. min. thickness	2mm
Max. Thickness/layer	6mm

TYPICAL PROPERTIES

Appearance:	Grey or White powder
Bonding strength:	> 0.1N/mm ² (on Foam & EPS Boards)
Color:	White/grey
Compressive strength:	>5.5N/mm ²
Consumption per m ² :	(1.5-1.6) kg/ mm ²
Flexural strength:	>2N/mm ²
Density	About 1.45 kg/litter in dry powder form. About 1.90 kg/litter when mixed with water.

STANDARD

The product is checked according to UNE-EN-ISO 9001.

FIRE CLASSIFICATION

A1, 100% noncombustible (EN 13501-1).

C. Final Cladding:

Final cladding with a decorative finish layer to be in one of three types
(Broken marble, profile, decorative).