TECHNICAL DATA SHEET
TETRADOM MT135
Fibre Reinforced Mortar, Adhesive and Base Coat for EIFS

Product Description

TETRADOM MT135 is a fibre-reinforced cementitious mortar, reinforced with organic polymers for external thermal insulation systems. It provides high bonding, flexibility and moisture resistance. It has zero slip and a long open time of application. Classified as GP CS IV W2 type mortar according to EN 998-1.

Projected Uses

It is used as an adhesive and as a base coat in external thermal insulation systems of buildings. It is suitable for gluing on the exterior facades of buildings any type of thermal insulation boards, such as extruded (XPS) and expanded (EPS) polystyrene, mineral wool, polyurethane, etc. It is applied on concrete, plaster or brickwork surfaces.
Reinforced with fibreglass mesh, it is suitable for the base coat of the thermal insulation boards and is thus the ideal substrate for the final thin coating that will follow.

Technical Information

Type of product	Cementitious mortar
Color	White
Water demand	6,00-6,25lit/ bag 25kg
Adhesion after 28 days to **Extruded polystyrene:** **Expanded polystyrene:** **Concrete:**	 $> 0,27$ N/mm^2 $> 0,10$ N/mm^2 $> 1,00$ N/mm^2
Compressive strength	$\geq 10,00$ N/mm^2
Flexural strength	$\geq 3,50$ N/mm^2
Open time	≥ 20 min
Capillary water absorption	$\leq 0,2$ Kg/m^2.min ^{0,5}
Thermal conductivity ($\lambda_{10, dry}$)	0,34 W/(mK)
Water vapor permeability coefficient (μ)	12
Application temperature	5 to 35ºC
Pot life	At least 2h

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Surface preparation

Surfaces must be clean, dry and free of oil, grease, paint residues and loose materials. Absorbent surfaces are recommended to be wetted before application.

Application

Add the mortar to clean water while stirring with an electric mixer until a uniform mixture is obtained. Allow the mixture to mature for about 10 minutes.

As adhesive:

On flat substrates (e.g. plastered surfaces), spread the adhesive on the insulation board and comb it with a notched trowel so that it is evenly distributed over the entire surface. On uneven substrates, apply the adhesive to the perimeter of the insulation board and in selected areas in the centre of the board. Then place the insulating board by pressing it into the desired position.

As base coat:

Initially, apply the product with a notched trowel to a thickness of 3-4mm. On the still wet layer, place 145-160gr/m2 glass mesh and press with a smooth trowel so that the mesh is fully embedded in the adhesive. Finally, smooth the surface and at the same time remove the excess glue.

Consumption

As adhesive: 3.00-5.00Kg/m2 depending on the trowel notch size and the type of substrate.

As base coat: Approximately 1,50 Kg/m^2 /mm

Packaging

25Kg bags

Storage

Stored in a dry place, protected from moisture for at least 12 months from the date of production.

Safety

Handle with care. The product contains cement and is classified as an irritant. Before and during use, follow all safety instructions on the packaging, consult TETRALUX Safety

Data Sheets and follow all local or national safety regulations.