



DAUMANT MANTELFIX

*Thermal Insulation Board
Plaster, Adhesive and Repair
Mortar - Fiber Supported*

DESCRIPTION

Cement based, polymer added, high performance, fiber-supported, fine aggregated plastering mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool, sheetrock, Betopan, etc.).

APPLICATION AREAS

It is used for plastering, bonding and repairing of thermal insulation panels (expanded polystyrene (EPS) and extruded polystyrene (XPS), rockwool, polyurethane sheet, sheetrock, Betopan, etc.) in indoor and outdoor spaces.

ADVANTAGES

The special combination of adhesive-forming additives and fiber-containing binding materials in the "DAUMANT MANTELFIX" plaster-adhesive-repair mortar provides adequate adherence to the plaster layer and adds high robustness and gives higher crack resistance compared to known mortars. The water repellent additive protects the thermal insulation and wall from wetting and has no adverse effect on the microclimate of life as it has low resistance to vapor permeability.

SURFACE PREPARATION

The application surface and plates must be solid and cleaned from anti-adhesion materials such as dust, oil, paint, silicone, curing material, detergent. The sheets to be plastered must be firm and firmly seated and the gaps between them should be covered with "Multipurpose Polyurethane Foam" or the same material.

MORTAR PREPARATION

Add 25 kg of "DAUMANT MANTELFIX Thermal Insulation Board Plaster, Adhesive and Repair Mortar - Fiber Additive" to approximately 5.5 - 7 liters of clean water and stir with a low speed mixer or trowel so that no lump remains. Rest the mortar for 5-10 minutes and then stir again. Use the mix in the container within 2 hours.

PACKAGING AND SHELF LIFE

It should be kept in Kraft bags of 25 Kg. It can be stored on pallet for 12 months with 10 bags of storage in damp and unopened packaging.

AMOUNT

3,5-5 kg/m² (depends on application method and surface)



APPLICATION

At least 24 hours after the doweling of the thermal insulation board, first layer of plaster with a thickness of about 2 mm is applied on the boards with a trowel. When the applied mortar is still wet, the synthetic reinforcing net is pressed from top to bottom and stretched and embedded in the mortar. After approximately 6 hours, the surface is moistened and the second layer of plaster (2 mm thick) is covered over the net and smoothed for painting. To prevent cracking, the mesh is overlapped by 10 cm at the joints. It is necessary to wait 2-3 days for the paint according to the weather conditions and application thickness. If the air temperature is high after the application is completed, moisten the surface until the cement is hardened.

ATTENTION

Avoid application at temperatures below +5°C and above +35°C. Avoid application in areas that are frozen, at risk of freezing within 24 hours or open to direct sun and wind. After application, ensure that there is no snow or heavy cold until the cement is hardened (approx. 1 week). Never add water or dry mixture to the mortar that has expired processing time. Be careful not to use boards that have lost their properties by exposed to the sun for an extended time.

HEALTH AND SAFETY

As with all chemical products, contact with food, skin, eyes and mouth should be avoided during usage and storing. Consult a doctor, if swallowed by accident. In case of contact with skin, rinse with plenty of water.

TECHNICAL SPECIFICATIONS

Appearance	:	Grey colored fine powder
Powder Density	:	1,50 kg/lt
Water Mixing Rate	:	5,5 - 7 L water / 25 kg powder
Resting Time	:	5 - 10 min.
Pot Life	:	~ 2 hours
Application Temperature	:	Between +5°C and +35°C
Aggregate Size	:	Thick; < 1500µm (S3)(EN 1062-1)
Bending Strength	:	> 3 N/mm ² (EN 196-1)
Compressive Strength	:	> 12 N/mm ² (EN 12190)
Service Temperature	:	-20°C / +70°C