



MICSHIELD™



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EIFS FIX

TECHNICAL DATA SHEET

Thermal Insulating Board Adhesive

DESCRIPTION

MICSHEILD EIFS FIX Ready cementitious mortar reinforced with polymer ingredients. Based on Portland grey cement, aggregates of selected grading and special additives, offers strong adhesion of thermal insulation boards.

USES

Use it for the adhesion of thermal insulation boards made of extruded or expanded polystyrene, or mineral wool, to exterior and interior surfaces of buildings, and to substrates such as concrete, bricks, plaster, stone, aerated concrete, etc.



ADVANTAGES

- Excellent adhesion to the surfaces of thermal insulation boards.
- Its adherence performance is high.
- Flexibility
- Durability over time.
- High resistance to changes in temperature between heat and cold.
- Easy to apply (simply add water).
- Non-inflammable.

AREAS OF USE

- Indoors and outdoors
- Walls and ceilings
- Horizontal and vertical surfaces
- The product is used for the adhesion of thermal insulation plates.

SURFACE PREPARATION

Surface Preparation You must ensure that the surface achieved the required strength.

The surface must be free of substances such as dust, oil, paint, which may prevent adhesion.

Concrete, cement, and cement must be dry and completely set. If the surface is highly absorbent or the application is made under hot temperature conditions, the surfaces must be moistened, and level of moisture must be maintained.

MIXING

25kg powder **MICSHEILD EIFS FIX** must be added to 5.50-6.25 ltr clean water in a clean container and mixed for 3 minutes by mean of a low-speed mixer or driller in order to achieve homogeneity and prevent agglomeration. This mixture is stilled for mellowing for a period of 3-5 minutes. Saturated material is mixed again to make ready for the application. It is recommended that the mixture in the container is consumed within 1-1,5 hours.

TECHNICAL DATA	
Product	Mixture of Cement Minerals, Organic binders, and additives
Appearance	Grey granular powder
Aggregate Size	0-0.6 mm processed sand
Mixing Ratio	6.25 ltrs of water per 25 kg bag Water/Powder ratio = 0.25
Wet Density	1.55
Material Consumption	4-9 kg/m ²
Pot Life	3 hours at 25oC
Mechanical Stabilization Time	24 Hours
Compressive Strength	10 N/mm ² @28 days
Flexural Strength	1.70 Mpa @ 28 days
Adhesion strength with concrete substrate:	≥ 1.20 Mpa @ 28 days
Initial hardening time	At least 24 hours
Application temperature	+ 5- + 30C
Flammability group	(GOST 30244-94)
Technical information correspond to the data, which were obtained at 20 °C(±2 °C) temperature and 50+5% relative humidity.	



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APPLICATION

MICSHEILD EIFS FIX is applied on the back surface of thermal insulation plates. Application method can vary depending on the condition of the application surface and/or type of the thermal insulating board.

Carding method:

This method is applied on the whole area of thermal insulating plate's back surface by means of a toothed trowel. The method can be preferred for smooth surfaced buildings.

Point application method:

In this application, the product is applied on the periphery of the plate and 3 points in the middle, by leaving 5mm gaps on the edges of thermal insulating plate's back surface. Minimum 40% of thermal insulation plate must be coated. Make sure that side surfaces of thermal insulation plate is not coated with the mortar.

Bonding process is performed by using a gauge and pressing on the surface to form a smooth surface. Mechanical anchor operation must be carried after 24 hours, when adhesive is completely set.

CLEANING

Clean tools and equipment with water after use.

HEALTH & SAFETY

Avoid prolonged contact with eyes and skin. For detailed information refer to relevant material safety data sheet.

STORAGE

12 months in original intact packaging and stored in a dry place.

PACKING



25 Kg bags stored under dry conditions

This product is environmentally friendly

Manaseer Industrial Complex
is a member of US green building



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