

BM-301 / FIBERED THERMAL INSULATION BOARD PLASTER MORTAR

PRODUCT DESCRIPTION

Bestkim BM-301 thermal insulation plaster is a cement-based, fiber-reinforced special plaster that covers the polystyrene and rock wool boards and increases the strength of the surface with the application of mesh inside.

SCOPE OF APPLICATION

Polystyrene is used for finishing plaster on heat and sound insulation boards such as rockwool inside and outside.

PRODUCT FEATURES

It is water repellent.

It is resistant to external weather conditions. Thanks to the fiber fibers in its structure, it absorbs the tensions and vibrations arising from temperature differences and minimizes the risk of cracking.

It has high flexibility due to the polymers in its structure.

It provides strong adhesion to polystyrene and rock wool boards.

It has a long application time.

SURFACE PREPARATION

The surface must be smooth, clean, dry, solid, and self-supporting.

PREPARATION OF MORTAR

Bestkim BM-301 Thermal Insulation Plaster 5.25-5.75 kg. Powder material is slowly added into clean and cold water (25 kg.), and the mixture is mixed with a low-speed mixer for about 10 minutes until it becomes lump-free. The required amount of water should be adjusted according to the weather conditions. The mixed mortar is rested for 10 minutes and mixed again. If necessary, the mixture should be consumed within 2-2.5 hours depending on the weather conditions. It should be used by adding water to the hardened or material.

APPLICATION INSTRUCTIONS

Heat and sound insulation boards such as polystyrene and rockwool, whose bonding process is finished, are fixed with dowels after at least 24 hours. Bestkim BM-301 Thermal Insulation Plaster 10x10 mm notched steel It is applied with a trowel on the heat insulation boards with a mesh width of 4 mm. Corner turn and window profiles are mounted. Window and door corners are reinforced with special cross reinforcement mesh. The reinforcement mesh is pressed 1-1.5 mm so that the junction is close to the facade and the plaster surface is smoothed. Ambient temperature and surface during application or drying temperature should be between +5°C minimum and +30°C maximum. It should not be applied in places with direct sunlight, rain and strong winds. The product should be protected from frost until it is set. Until the application completes the full drying period, it should be protected against rain or wetting due to various reasons. However, the environment and surface In case the temperature rises above +25°C, the surface should be moistened with regular spraying method (with non-pressure water) in order to prevent sudden water loss and for the plaster to set properly. The tools used are cleaned with water immediately after the application.

TECHNICAL SPECIFICATIONS

Appearance :	Gray powder
Application Tool:	Steel trowel
Shelf Life:	12 months in its unopened package in a dry environment.
Packaging :	25 kg kraft bag
Application Temperature:	(+5°C) - (+30°C)
Mixing Ratio:	25 kg powder/5.25-5.75 lt water
Pot Life :	3 hours
Crusting Time:	15-20 minutes
Consumption:	4-4.5 kg/m ² /mm
Flexibility:	High
Adhesion to the Heat Insulation Plate :	Min. 0.08 N/mm ²
Adhesion Strength	Min. 0.03 N/mm ² TS 6433
Water Absorption	30 min; max. 5 g EN 12808-5/240 min; max. 10 g EN 12808-5
Bending Strength	Min. 2 N/mm ² TS 24
Compressive Strength	Min. 6 N/mm ² TS 24
Water-Vapor Permeability	Sd < 0.3 m TS 7847
Density	1.40±0.1kg. / lt.

WARNING

After the application of Bestkim BM-301 Thermal Insulation Plaster, the surface should be painted or covered without excessive dew, moisture and precipitation. Since it is cement based, do not breathe the dust, do not contact the skin and eyes.

STORAGE CONDITIONS

Bestkim Thermal Insulation Plaster should be stored for 12 months in a dry environment with a maximum of 10 layers.

CERTIFICATE OF CONFORMITY

