



Heat Insulation Sheet Plaster Mortar (Fiber Added)

Product Description

It is plastering mortar specially prepared, cement based, polymer added, high performance, fiber reinforced TS EN 13499: 2006 ETICS for composite heat insulation systems.

Areas of Use

It is used for making glazing plaster on thermal insulation boards such as polystyrene inside and outside.

Advantages

- It is easy to apply and provides excellent adhesion.
- It is resistant to water and frost.
- It is not affected by temperature changes.
- It is flexible
- It provides high stability, does not sag or crack.
- It allows water vapor diffusion.
- Paint can be applied directly on it.

Preparation of the Surface

- The application surface and boards should be strong and be cleaned from anti-adhesion agents such as dust, oil, paint, silicone, curing agent, detergent.
- The plates to be plastered should be solid and well seated and the spaces between them should be closed with foam or the same material.

Preparation of Mortar

- 25 kg. Newkim Thermal Insulation Plastering Mortar (Fiber Additive) is added into approximately 5.5-6.5 lt of clean water and preferably mixed with a low speed mixer or trowel so that no lumps remain.
- The prepared mortar is rested for 3-5 minutes to mature and used again by



- mixing. The mixture in the bowl should be consumed within 2 hours.

Application Details

- At least 24 hours after the installation of the thermal insulation board, first layer plaster with a trowel is applied on the boards with a thickness of about 2 mm.
- When the applied mortar is wet, the synthetic reinforcement net is pressed and stretched from above to below and buried in the mortar.
- After about 6 hours, the surface is moistened and the second layer (2 mm of thickness) is covered over the plaster mesh and made smooth for the paint.
- To prevent cracking, the net is overlapped 10 cm at the joints.
- It is necessary to wait 2-3 days according to weather conditions and application thickness for the paint. If the air temperature is high after the application is completed, moisten the surface until cemented.

Application Requirements

- The ambient temperature should be between +5 °C and +35 °C.
- Avoid application in very humid and / or very hot weather, under the sun.
- It should not be applied on surfaces that are frozen, melting or that are in danger of frost within 24 hours.

Application Tools

Hand mixer, Steel trowel

Warnings and Recommendations

Because it is cement based, do not breathe its powder, do not make contact with the skin and eyes.

Technical Information

Technical Information is relative to 55% (± 5 °C) relative humidity environment at 23 °C (± 2 °C).

View	Gray Colored Fine
Appearance	1,65 kg. / Lt. (± 0.1)
Powder Density	5.5-6.5 lt. water / 25 kg. Powder
Water Mixing Rate	3-5 minutes
Resting Time Pot Life	Approximately 2 hours
Skinning Time	15-20 minutes
Dowelling	Min. 24 hours later
Plaster Application Time Bending	1-2 days
Resistance	≥ 2.0 N/mm ²
Compressive Strength	≥ 6.0 N/mm ²
Adhesion Strength to Substrate	≥ 0.5 N/mm ²
Adhesion Strength to Thermal Insulation	≥ 0.08 N/mm ²
Board Water Absorption	≤ 0.5 kg/m ² minute. h0.5
Water Vapor Permeability	≤ 15
Coefficient Thermal Conductivity	≤ 0.35 W/Mk.
Fire Class	A1

