



Thermal Insulation Board Adhesive Mortar

Product Description

It is a high performance, cement based, polymer added, flexible, high stability, specially prepared adhesive mortar for TS EN 13499-2006 ETICS composite heat insulation systems.

Areas of Use

- Indoors and outdoors
- It is used for bonding thermal insulation boards (expanded polystyrene (EPS) and extruded polystyrene (XPS).

Application Surfaces

- Interior and Exterior Facades;
- Gross concrete, (primer applied) Brick,
- Cement based plaster, Gas concrete.
- Wood plate,
- Consult us for all other application surfaces.

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.

Preparation of the Surface

- Care should be taken to cure the application 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 application surface should be wetted and should remain moist.
- Very porous surfaces should be wetted and



the surface should remain moist until the water layer disappears.

- Significant defects or holes in the surface should be repaired with Newkim Board
- Adhesive Mortar at least 24 hours prior to application of Newkim Extra Tile Ceramic Mortar.

Preparation of Mortar

- 25 kg. Newkim Thermal Insulation Board Adhesive Mortar 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.

According to the smoothness of the application surface;

Bonding Method to Whole Surface;

- Apply NEWKIM Thermal Insulation Board Adhesive Mortar with a trowel or a suitable scalloped trowel on the entire heat insulation board.

Strip and Point Application Method;

- Apply the adhesive insulation board mortar with a trowel to all edges of the Thermal Insulation board in strip form and in the middle parts in points form.
Use a gauge when gluing the boards during the application.

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, trowel, scalloped trowel

Warnings and Recommendations

Insulation boards should be placed in close proximity to each other and the spaces between the plates should be as little as possible to prevent heat transfer.

Technical

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

Information	Gray Colored Fine Powder
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	Approximately 2 hours
Pot Life	15 minutes
Skimming Time	Min. 24 hours later
Dowelling	At least 1 day
Plaster Application Time	+5°C / +35°C
Adhesion Strength Bending Strength Compressive Strength	≥ 2.0 N/mm ²
	≥ 6.0 N/mm ²
Adhesion Strength to Substrate	≥ 0.5 N/mm ²
Adhesion Strength to Thermal Insulation Board Water	≥ 0.08 N/mm ²
Absorption (At the end of 30 min.)	≤ 5 gr.
Water Absorption (At the end of 240 Min.)	≤ 10 gr.
Fire Class	A1

