



## Thermal Insulation Board Adhesive Mortar

### Product Description

It is a high performance, cement based, polymer added, flexible, highly stable adhesive mortar specially prepared for TS EN 13499:2006 ETICS composite thermal 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.
- 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.
- No direct application is made on brick, briquette or gas concrete without rough plastering.

### 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% ( $\pm 5$  °C) relative humidity environment at 23 °C ( $\pm 2$  °C).

Information	Gray Colored Fine Powder
Appearance	1.65 kg/Lt. ( $\pm 0.1$ )
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
Skinning Time	Min. 24 hours later
Dowelling	At least 1 day
Plaster Application Time	+5°C / +35°C
Adhesion Temperature	$\geq 1.0$ N/mm <sup>2</sup>
Adhesion Strength Bending Strength Compressive	$\geq 2.0$ N/mm <sup>2</sup>
Strength	$\geq 6.0$ N/mm <sup>2</sup>
Adhesion Strength to Substrate	$\geq 0.5$ N/mm <sup>2</sup>
Adhesion Strength to Thermal Insulation Board Water	$\geq 0.08$ N/mm <sup>2</sup>
Absorption (At the end of 30 min.)	$\leq 5$ gr.
Water Absorption (At the end of 240 Min. )	$\leq 10$ gr.
Fire Class	A1



#### Consumption

4-5 kg / m<sup>2</sup>



#### Packaging

25 kg. Kraft Bag



#### Shelf Life

1 year from the date of production  
in drought and dry environments



#### Color

Gray