



Thermal Insulation Board Sticking mortar

Product Description

It is a high-performance, cement-based, polymer-added, flexible, high-stability 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 of rock wool and mineral wool thermal insulation boards.

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 on the surface must be repaired with Newkim Repair Mortar at least 24 hours before the Newkim Stone Wool Board bonding application.

Preparation of Mortar

- 25 kg. Newkim Stone Wool 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 Stone Wool 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% (± 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
Uygulama Kalınlığı	Max. 8 mm.
Skinning Time	Min. 24 hours later
Dowelling	At least 1 day
Plaster Application Time	+5°C / +35°C
Adhesion Strength Bending	≥ 2.0 N/mm ²
Strength Compressive Strength	≥ 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



Consumption

4-6 kg / m²



Packaging

25 kg. Kraft Bag



Shelf Life

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



Color

Gray