

MANTO KRAFT® Jamb and Repair Adhesive

DESCRIPTION

It is a cement-based, polymer-added, ready-made adhesive used for bonding thermal insulation boards such as XPS, EPS and Jamb, optionally containing fibres.



Conforms to TS EN 1504-3/R4 class

USAGE PLACES

It is used for bonding polystyrene thermal insulation (XPS: Extruded Polystyrene or EPS: Expanded Polystyrene, Jamb etc.) boards to surfaces such as brick, gas concrete, plaster, exposed concrete etc. Cemented surfaces must be manufactured at least 28 days in advance.

POINTS TO BE AWARE OF

- Do not apply on wood, OSB, PVC, bitumen, metal, paint coated surfaces. (Mortar is cement based and does not stick).
- Within 24 hours, insulation panel adhesive application should not be made on surfaces where frost hazard may occur.
- Avoid application under the sun and strong wind. Application must be made when the surface temperature is between +5 °C and +25 °C. In open areas or areas exposed to the sun excessively, ground temperatures rise rapidly and this increases the water absorbency of the surface. Since the surface will rapidly absorb the water in the mortar, the mortar dries rapidly and the insulation board cannot adhere well to the surface and breaks off from the surface.
- If the surface temperature is above +25 ⁽⁰⁾ C, wait until the appropriate temperature required for bonding is reached.
- After the boards are placed on the surface, they must be fixed with suitable dowels.
- It is recommended to use protective gloves during applications. For more detailed protective measures, please refer to the material safety data sheet of the product.

ADVANTAGES

- It is single component, easy to prepare and apply.
- Since water retention is high, processing time is long.
- High adhesion resistance.

SURFACE PREPARATION

The application surface must be clean, smooth and free from paint, scraped plasters that will prevent adhesion and leveled. Holes and cracks on the surface over 5 mm should be filled with **KRAFT® Repair Mortar (thin or thick)** 2-3 days in advance. (see **KRAFT® Repair Mortar**) For surface defects over 30 mm, the surface should be filled with **KRAFT® Ready Plaster** mortar (see **KRAFT® Ready Plaster**). If the surface temperature is above +25 °C, the surface must be pre-wetted so that it is moist for the appropriate temperature.

USAGE MANUAL

VARLIK MINERAL GEOTHERMAL ENERGY MINING CONSTRUCTION TRADING CO.

CENTRE: Beştepe Mah.No:1/113 Yenimahalle/Ankara

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MANTLE KRAFT JAMB & TILE ADHESIVE

TECHNICAL DATA SHEET

1 Bag (25 kg) **MANTO KRAFT® Jamb & Repair Adhesive** is slowly added into 6-7 kg of water and mixed for 5 minutes with a 400 600 rpm mixer until it reaches a paste consistency. The prepared **mixture is left to rest for 5 minutes**, then it is mixed again and the adhesive mortar is applied to the **jamb** plate surface with the help of a suitable trowel. As a gluing method, the adhesive is applied to the **jamb** boards along the edges and in the middle part with a trowel in a pointwise manner and glued by pressing the surface. In order to increase the adhesion strength and to make the boards more balanced, the bonding process should be done by combing method. It is placed on the basement profile and gently slid and glued to the wall so that there is no gap between the boards and the buildings are tightly joined. Before the adhesive mortar dries, the boards are squared with the help of a gauge to avoid level differences between the boards.

EXPENDITURE

5-6 kg/m².

TECHNICAL SPECIFICATIONS

Colour	White
Material Content	Contains cement, mineral filler and special polymer additives.
Hollow Unit Volume Mass of Fresh Mortar (EN 1015-6)	≥ 1150 kg/m ³
Adhesion Strength to Substrate (EN 1015-12)	≥ 0.5 N/mm ⁽²⁾ (28 days - from concrete)
Adhesion Strength to Thermal Insulation Board (EN 13494)	≥ 0.08 N/mm ⁽²⁾ (28 days)
Flexural Strength (EN 1015-11)	≥ 2.0 N/mm ²
Compression Strength (EN 1015-11)	≥ 6.0 N/mm ²
Grain Size (EN 12192-1)	< 0.8 mm
Water Absorption (EN 12808-5)	≤ 5 gr (after 30 mins) ≤ 10 gr (240 dk sonra)
Reaction to Fire (EN 13501-1)	Class A1
Maturation Period	min 5 minutes
Mixing Ratio	25 kg powder + 6-6,5 kg water
Application Thickness	8 mm (carding method) at least 4 mm
Temperature Resistance	-40°C / +100°C
Container Life	2 hours
Shelf Life	12 months from the date of manufacture under appropriate storage conditions When not in use, the packaging should be tightly closed and the material should be consumed within 1 week at the latest.



The above values are valid at +21 °C and 50% relative humidity.

PACKAGING and STORAGE

CODE	PACKAGING
KR-500	MANTO KRAFT® Jamb & Repair Adhesive White (25 kg)

Store the material in its unopened packaging in a dry environment, protected from frost. Do not stack pallets on top of each other, especially in long-term storage.

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