

Thermal Insulation Systems / Cemend Based Adhesives**STRAFIX**

Stonewool Adhesive Mortar

DESCRIPTION

Cement-based, polymer added, high performance, flexible adhesive mortar with high stability, for **stonewool** thermal insulation boards.

APPLICATION AREAS

- Indoor and outdoor
- Bonding stonewool thermal insulation boards on concrete, brick, gas concrete and similar surfaces with rough and thin plaster.

TECHNICAL PROPERTIES

Appearance	Grey colored fine powder
Powder Density	~ 1.50 kg/L
Water Mixing Ratio	5.5 - 6.5 L water / 25 kg powder
Resting Period	5 - 10 minutes
Pot Life	~ 2 hours
Open Time	15 minutes
Fixing with Wall Plugs	Minimum 24 hours later
Plaster Application Time	1 - 2 days later
Application Temperature	Between +5°C and +35°C
Aggregate Size	Amount above of 1 mm sieve ≤ 1% (TS EN 1015-1)
Bulk Density of Fresh Mortar	≥ 1000 kg/m ³ (TS EN 1015-6)
Flexural Strength	≥ 4 N/mm ² (TS EN 1015-11)
Compressive Strength	≥ 12 N/mm ² (TS EN 1015-11)
Adhesion Strength to the Substrate	≥ 0.5 N/mm ² (TS EN 1015-12)
Adhesion Strength to the Thermal Insulation Board	≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	After 30 minutes; ≤ 5 g; After 240 minutes; ≤ 10 g (TS EN 12808-5)
Service Temperature	-30°C / +80°C

ADVANTAGES

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack.

CONSUMPTION

4 – 5 kg/m²

APPLICATION

PREPARATION OF THE SURFACE

- The surface must be cured.
- The surface must be clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.
- Wet the application surface and keep it moist.
- Repair the imperfections on the surface with **FIXA's** appropriate repair mortars 24 hours before, depending on the depth and structure of the defects.

PREPARATION OF THE MORTAR

- Add 25 kg of STRAFIX Stonewool Adhesive Mortar to approximately 5.5 - 6.5 liters of clean water and mix preferably with a mixer with low speed until there are no lumps.
- Leave the mortar to rest for 5 - 10 minutes to mature and mix again for 1 - 2 minutes again before use.
- The mortar must be used within 2 hours.

APPLICATION

- Use the **Method of Bonding on the Whole Surface** in bonding stonewool insulation boards.
- Apply the bonding mortar to the entire stonewool board with a flat trowel. Then comb the mortar onto the surface with a coarse-toothed notched trowel.
- The carding direction should be parallel to the long side of the board.
- During the application, use a float in bonding the boards.
- Press strongly on boards bonded with STRAFIX Thermal Insulation Board Adhesive Mortar for a better bonding and fix them mechanically with wall plugs after 24 hours.

CAUTION

- Avoid application at temperatures below +5°C and above +35°C.
- Avoid application in areas that are frozen, at risk of freezing within 24 hours, or in areas open to direct sun and wind.
- Do not add water and powder to the expired mortar.
- To prevent heat transfer, place the thermal insulation boards with no gaps between them.
- Before and during bonding, make sure that the stonewool boards are not exposed to rain or get wet. Do not use wet boards.
- Do not apply thermal insulation directly on building materials such as pumice or brick, but on rough plastered surfaces.

PACKAGING

25 kg kraft bags

SHELF LIFE

Expires in 12 months. Store unopened packages in a dry environments. Stack maximum 10 on a pallet.

HEALTH AND SAFETY

As with all chemical products, avoid contact with food products, skin, eyes and mouth during use and storage. During the application, use work clothes, protective gloves and glasses in accordance with the occupational and worker health rules. Consult a doctor if accidentally swallowed. In case of contact with skin, rinse with water. Do not leave the cover open. Avoid prolonged contact with uncured silicone. Store out of the reach of children.



Technical Data Sheet (TDS)

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The application instructions and technical values given for the products have been obtained in accordance with our tests and experiences in accordance with international standards at 23±2°C temperature and 50±5% relative humidity conditions. These values may vary depending on ambient conditions. High temperatures shorten the times, low temperatures lengthen them. Before starting the application, the user should test whether the product is suitable for the application and purpose. FIXA Yapı Chemicals San. Trade Ltd. Sti. is not responsible. This Technical Data Sheet remains valid until the next revision is published. FIXA reserves the right to change the values specified in this Technical Data Sheet, provided that the new version is published. It is the user's responsibility to check that the document is up-to-date. Please contact our sales department for more information.