

**Thermal Insulation Systems / Cemend Based Plasters****STRAFIX®****Thermal Insulation Board Plastering Mortar – Fiber Supported (Fine)****DESCRIPTION**

Cement based, polymer added, high performance, **fiber-supported, fine aggregated plastering** mortar for thermal insulation boards.

**APPLICATION AREAS**

- Indoor and outdoor
- As a surface plaster on thermal insulation boards.

**TECHNICAL PROPERTIES**

<b>Appearance</b>	Grey colored fine powder
<b>Powder Density</b>	~ 1.50 kg/L
<b>Water Mixing Ratio</b>	5.5 - 6.5 L water / 25 kg powder
<b>Resting Period</b>	5 - 10 minutes
<b>Pot Life</b>	~ 2 hours
<b>Application Temperature</b>	Between +5°C and +35°C
<b>Aggregate Size</b>	Amount above of 1 mm sieve ≤ 1.0% (TS EN 1015-1)
<b>Bulk Density of Fresh Mortar</b>	≥ 1150 kg/m <sup>3</sup> (TS EN 1015-6)
<b>Dry Bulk Density of Hardened Mortar</b>	1400 ± 200 kg/m <sup>3</sup> (TS EN 1015-10)
<b>Flexural Strength</b>	≥ 2 N/mm <sup>2</sup> (TS EN 1015-11)
<b>Compressive Strength</b>	≥ 6 N/mm <sup>2</sup> (TS EN 1015-11)
<b>Adhesion Strength to Thermal Insulation Board</b>	≥ 0.08 N/mm <sup>2</sup> (TS EN 13494)
<b>Water Absorption</b>	≤ 0.5 kg/(m <sup>2</sup> .min <sup>0.5</sup> ) (TS EN 1015-18)
<b>Water Vapor Permeability Coefficient (μ)</b>	≤ 15 (TS EN 1015-19)
<b>Thermal Conductivity</b>	0.61 λ <sub>n</sub> W/mK (TS EN 1745 - Table A12)(P.50%)
<b>Service Temperature</b>	-20°C / +70°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
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted.

**CONSUMPTION**

3 - 4 kg/m<sup>2</sup> (Varies depending on the application method.)

## APPLICATION

### PREPARATION OF THE SURFACE

- The application surface and the boards must be sound and clear of materials which prevent bonding, such as dust, oil, tar, bitumen, paint, silicone, curing agents, detergents and mold release oils.
- The boards to be plastered have to be sound and well-fixed. Fill the gaps between them with **PU 960 Multi-Purpose Polyurethane Foam** or with the same material.

### PREPARATION OF THE MORTAR

- Add 25 kg of STRAFIX Thermal Insulation Board Plastering Mortar - Fiber Supported (Fine) in approximately 5.5 - 6.5 liters of clean water and mix with a low speed mixer until there are no lumps.
- Leave the mortar to mature for 5 – 10 minutes, mix again 1 – 2 minutes before use.
- Use the mortar within 2 hours.

### APPLICATION

- Apply the first layer with a thickness of about 2 mm with a steel trowel within 24 hours after fixing thermal insulation boards with wall plugs.
- While the mortar is still wet, press **STRAFIX Plaster Mesh** downwards by stretching and embed it inside the mortar. After the first layer of plaster with mesh has shed its water slightly, apply the second layer of plaster (2 mm thick). After two layers of application, the mesh should be completely covered.
- To prevent cracking, overlap the mesh by 10 cm at the joints.
- Use corner profile with mesh at the corners.
- Wait 2 - 3 days for the paint, depending on the weather conditions and the application thickness.
- If the air temperature is high after the application, moisten the surface until the cement sets.

### CAUTION

- Avoid application in temperatures below +5°C and above +35°C.
- Avoid application on frozen areas, on areas under risk of freezing in 24 hours or on areas open to direct sunlight or wind. In case there is an expectation for snow or extreme cold within 1 week, cancel the application or take protection measures.
- Do not add powder or water to the expired mortar.
- Pay attention not to use boards that lost their properties due to intensive sun exposure.

### 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.

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 Kimyasal 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.