

weber.therm A1

Adhesive mortar for thermal insulation systems

■ Description

Cement based adhesive mortar for thermal insulation systems.

■ Advantages

- In conformity with ETAG 004*
- Has high bonding strength.
- Resistant to thermal shocks.

■ Range of application

- Applied for bonding of XPS, EPS mineral wool thermal insulation panels at all buildings.

■ Application substrates

- On interior and exterior walls;
 - Concrete,
 - Brick,
 - Cement-based render,
 - Gas concrete,
- Please consult us for all other application substrates.

■ Performance

Bonding resistance

- To the thermal insulation panel;
 - Under normal conditions : > 0,08 N/mm²
 - Storing in water : > 0,08 N/mm²
 - Storing under heat : > 0,08 N/mm²
- On brick/concrete;
 - Under normal conditions : > 0,25 N/mm²
 - Storing in water (for 2 hours) : > 0,08 N/mm²
 - Storing under heat (for 7 days) : > 0,25 N/mm²

■ Reference standards

- TSEK.

■ Conditions of application

- Ambient temperature is between +5 °C and +30 °C.
- Avoid application in very damp and/or hot weather, under the sunlight.
- It should not be used on substrates which are frozen or melting or have the risk of frost or rain within 24 hours.

■ Preparation of substrate

- The substrate should be clean, dry, smooth and sound.
- Very porous substrates should be wetted and wait until the water layer is removed as the substrate will remain damp.
- Important deteriorations or holes on the substrate should be repaired with **weber.rep MA 200** at least 24 hours before the application of **weber.therm A1**.

■ Application

- Average 6 lt clean water and 25 kg bag **weber.therm A1** should be mixed with a low-speed mixer or trowel preferably well as there will be no pellets.
- The mortar should be aged for 10 minutes before application.
- **weber.therm A1** should be applied all around of insulation panel and 5 mm of space should be left from the edges all around the board.
- 3 big parts **weber.therm A1** should be applied to the section in the middle in the point way.
- It should be noticed that 40 % of insulation panel must have coated with binder. Binders should not be excessive in joints as to prevent them to serve as conductor.
- **weber.therm A1** can be applied on insulation panels bonded with **weber.therm A1** after 2 days depending on weather conditions.

■ Attention points

- Insulation panels should be placed as approximating each other closely, gaps between panels should be as few as possible to prevent heat transfer.

■ Limits of application

- Not applicable on instable and low-resistant substrates.

■ Consumption

5 kg/m².

■ Packaging

Net 25 kg bag, (64 units in pallet, 1600 kg).

■ Pallet size

107 x 107 cm.

■ Color

Grey.

■ **Application tools**

Hand mixer, trowel.

■ **Shelf life**

1 year as of the production date in dry and moisture-free environment provided that packages will not be opened. Package should be kept tightly closed when not in use.

FOR INFO

➤ The stated times apply for 20 °C substrate and ambient temperature and increase at lower temperatures and decrease at high temperatures.

➤ **Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.** is not responsible for the application errors arising from use of product beyond its intended purpose or failure to comply with the foregoing application conditions and advice on the product.



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