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Rockwool thermal insulation panel

Technical Data Sheet
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■ Description

Mineral-based, rockwool thermal insulation panel. Provides fire-resistance and sound insulation as well as thermal insulation. Consists of A1 class non-combustible material.

■ Range of application

- Applied as thermal insulation panel on both interior and exterior walls of all buildings.

■ Conditions of application

- Ambient temperature is between +5 °C and +30 °C.

■ Performance

- Compressive strength: CS 40
- Density: 150 kg/m³
- Length tolerance: 2 %
- Width tolerance: 1,5 %
- Squareness tolerance: < 5 mm
- Flatness tolerance: < 3 mm
- Thickness tolerance: < 1 %
- Tensile strength parallel to the surface: ≥ 40 kPa
- Tensile strength perpendicular to the surface: ≥ 15 kPa
- Fire resistance: A1 class
- Thermal conductivity coefficient: max. ≤ 0,036 W/mK
- Melting point: > 1000 °C
- Water vapour diffusion resistance coefficient: μl
- Short term water absorption by immersion: < 1 kg/m²
- Long term water absorption by immersion: < 3 kg/m²

■ Reference standards

- TS EN 13162

■ Storing conditions

- Package should not come into contact with rainfall and/or water.
- Package should be kept in covered and moisture-free places.
- Packages should be aligned horizontally.
- Avoid stepping on packages.
- Packages should be properly stacked in order to avoid breaking the corners of the packages.
- Package should not be exposed to direct sunlight.

■ Packaging information

Thickness	Panels per package	Total
30 mm	8 panels	5,76 m ²
40 mm	6 panels	4,32 m ²
50 mm	4 panels	2,88 m ²
60 mm	3 panels	2,16 m ²
70 mm	3 panels	2,16 m ²
80 mm	3 panels	2,16 m ²

■ Panel dimensions

- 600 mm x 1200 mm.

■ Application

- **weber.therm** group adhesives 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** group adhesives 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 adhesive. Adhesives should not be excessive in joints as to prevent them to serve as conductor.
- **weber.therm** group renders can be applied on insulation panels after 2 days depending on weather conditions.
- Panels should be installed continuously, starting from the bottom of the wall working upwards and also stagger the vertical joints in correspondence with corners and edges.
- After installing the panels, fill in the gaps with **weber.therm taşıyünü** or insulating material.
- Anchor fixing should start after the adhesive is completely dry (24 hours).
- Anchor fixing should not generate any bumps on the surface.
- Minimum 6 anchors should be fixed per each squaremeter. More anchors should be used at the corners and around windows.
- Render application should start after anchor fixing for whole surface is completed.
- Corner profiles should be used on weak points such as corners and around windows.
- All tools should be cleaned with water after the application before drying.

> 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.



Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş.
Kemalpaşa OSB Mah. Kuyucak Yolu Sokak No: 284 • 35730 Kemalpaşa • İzmir • Türkiye
Tel: +90 (232) 397 07 00 • www.weber.com.tr • info@weber.com.tr • Çözüm hattı: 444 6 990

