

weber.therm XPS

Extruded polystyrene thermal insulation panel

Technical Data Sheet
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■ Description

Extruded polystyrene-based thermal insulation panel

■ 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

- Edge profile: square, rabbet
- Surface form: textured
- Squareness tolerance: max 5 mm/m
- Flatness tolerance: max. 6 mm/m
- Fire resistance: E class
- Thermal conductivity coefficient: $\leq 0,035$ W/mK
- Tensile strength perpendicular to the surface: ≥ 200 kPa
- Compressive strength: ≥ 150 kPa
- Long term water absorption by immersion: max 0,7 %

■ Reference standards

- TS EN 13164

■ Storing conditions

- Package should be kept in cool and lofted places and separated from flammable materials as such thinner, solvent etc.
- Package should not be exposed to direct sunlight.
- Package should be kept away from any heat sources.

■ Packaging information

Thickness	Panels per package	Total
30 mm	14 panels	10,5 m ²
40 mm	10 panels	7,5 m ²
50 mm	8 panels	6 m ²

■ Panel dimensions

- 600 mm x 1250 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 XPS** 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.



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