

weber.therm flex

Organic polymer-based thermal insulation panel adhesive and render

Technical Data Sheet

Issued on : 19.11.2015

Revision No: 002

■ Description

Organic polymer-based thermal insulation panel adhesive and render.

■ Advantages

- Has high bonding strength.
- Ensures perfect adherence to thermal insulation panels.
- Elastic.

■ Range of application

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

■ Application substrates

- On interior and exterior walls;
- As adhesive;
 - Concrete,
 - Brick,
 - Cement-based render,
 - Gas concrete,
 - Wooden panel.
- As render;
 - XPS (extruded polystyrene),
 - EPS (expanded polystyrene),
 - Mineral wool,
- Please consult us for all other application substrates.

■ Limits of application

- It is not applied on instable or low-resistant substrates.

■ Application properties

- Drying time: 12 hours,
- Time to wait for final coat application on render layer: 2-3 days,
- Application thickness: 2-3 mm.
- Time between the coats: 3-4 hours.

■ Preparation of substrate

- The substrate should be clean, dry, smooth and sound.
- 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 flex**.
- The gaps between panels should be filled with the same insulation material of foam as per the width, the protrusions to occur should be cleared to reduce the consumption of **weber.therm flex**.

■ 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.

■ Application

- Up to 30 % Portland cement by weight should be added for mineral-based substrates and 10 % Portland cement by weight should be added for old acrylic painted substrates for **weber.therm flex** bonding process. It should be mixed with a screw fixed to the drill bit until homogenous mixture is achieved.
- Bonding process can be performed with clustering or notched comb trowel method.
- Up to 30 % Portland cement by weight should be added for **weber.therm flex** render process and mixed with a screw fixed to the drill bit preferably until a homogenous mixture is achieved.
- **weber.therm flex** should be applied on the substrate via steel trowel.
- Glass-fiber mesh should be placed by pressing upward to downward and stretching, without folding on the first coat being soft still as to be at the same distance from to the whole surface.
- To avoid cracks, glass-fiber mesh should be applied by overlapping as 10 cm at joining points.
- The glass-fiber mesh should be turned at least 20 cm in the corners and around all beams, window and door frames.
- Second hand of application should be started after 3-4 hours.
- After the application, the surface will be ready for exterior coating.

■ Consumption

For bonding thermal insulation panels 4 kg/m².
For rendering thermal insulation panels 4 kg/m².

■ Packaging

Net 25 kg buckets.

■ Color

Beige.

■ Application tools

Hand mixer, and 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. Package should be protected against frost.

> 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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