

# Serpo Therm Siva

## Fiber added render for thermal insulation systems

### ■ Description

Cement-based render reinforced with organic polymer for thermal insulation systems.

### ■ Advantages

- Provides excellent bonding to thermal insulation panels.
- Resistant to thermal shocks,
- Allows the substrate to breath.

### ■ Range of application

- Applied as surface screed on XPS, EPS mineral wool thermal insulation panels at all buildings.

### ■ Application substrates

- On interior and exterior walls;
  - XPS (Extruded polystyrene),
  - EPS (Expanded polystyrene),
  - Mineral wool,
- Please consult us for all other application substrates.

### ■ Performance

Bonding resistance

Under normal conditions : > 0,08 N/mm<sup>2</sup>

Storing in water : > 0,08 N/mm<sup>2</sup>

Storing under heat : > 0,08 N/mm<sup>2</sup>

### ■ Reference standards

- Tested in accordance with EOTA (European Organization for Technical Approvals) ETAG 004\*
- TSEK.

### ■ Application properties

- Applicability time of mortar: 2 hours
- Application thickness: 4 mm
- Coat thickness: Max. 2 mm
- Time between the coats: 3-4 hours
- Time to wait for final coat application: min. 7 days.

### ■ 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 insulation panel should be clean, dry and bond on the lower substrate well.
- The gaps between panels should be filled with the same insulation material or foam as per the width, the protrusions to occur should be cleared to reduce the consumption of **Serpo Therm Siva**.

### ■ Application

- Average 6 lt clean water and 25 kg bag **Serpo Therm Siva** should be mixed with a low-speed mixer preferably well as there will be no pellet.
- The mortar should be aged for 10 minutes before application.
- **Serpo Therm Siva** should be applied on the substrate via steel trowel.
- Glass-fiber mesh should be placed by pressing upward to downward and stretching, without folding and as to be at the same distance from insulation panel to the whole surface before **Serpo Therm Siva** dries.
- 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 render application should be started after 3-4 hours.
- After the application, the surface will be ready for exterior coating.

### ■ Attention points

- Dilatation joints should not be covered with **Serpo Therm Siva**, dilatation profile should be used for these parts.

### ■ Consumption

5 kg/m<sup>2</sup>.

### ■ Packaging

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

### ■ Pallet size

107 x 107 cm.

### ■ Color

Grey.

■ **Application tools**

Hand mixer, steel trowel, glass-fiber mesh.

■ **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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