

# webertherm SV

## Render thermal insulation panels

### Technical DataSheet

Release date: 6/5/2017

Revision date: 29/03/2023

#### ■ Product Description

Cement-based, polymer modified render for thermal insulation panels

#### ■ Reference Standards

• TS 13687 • Public Works No: 04.481.

#### ■ Benefits

• Ensures perfect adherence to thermal insulation panels. • Resistant to thermal shocks. • Easy to apply and forms smooth surfaces.

#### ■ Area of Use

• Applied as substrate render on XPS, EPS and mineral wool thermal insulation panels at all buildings.



#### ■ Substrates

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

#### ■ 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 **webertherm SV**.

#### ■ Application Conditions

• 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

- Average 6,5 lt clean water and 25 kg bag. **webertherm SV** should be mixed with a low-speed mixer or trowel preferably well as there will be no pellet.
- Time to wait for final coat application of **webertherm SV** : min. 7 days
- The mortar should be aged for 10 minutes before application.
- **webertherm SV** 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 **webertherm SV** dries.
- To avoid cracks, glass-fiber mesh should be applied by overlapping as 10 cm at joining points.
- 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 **webertherm SV** dries.
- 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.

#### ■ Tools

Hand mixer, steel trowel, glass-fiber mesh

#### ■ TDS Consumption

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

#### ■ Attention points

• Dilatation joints should not be covered with **webertherm SV**, dilatation profile should be used for these parts.

The stated times apply for 20°C substrate and ambient temperature; increase at lower temperatures and decrease at higher temperatures. <b>Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.</b> is not responsible for the application errors arising from use of product beyond its intended purpose of failure to comply with the forgoing application conditions and advice on the product.

Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş.

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## ■ Technical specifications

Product Name	webertherm SV
Product Type	liquid
Water addition	25 kg : 6,5 lt ( <b>webertherm SV</b> : water)
Time before render application	2 days
Mass per unit volume of fresh mortar	≥ 1150 kg/m <sup>3</sup>
Porous density or hardened cement-based render	1300 ± 200 kg/m <sup>3</sup>
Granulometry	the percentage left on the 1 mm sieve ≤ % 1,0
Compressive Strength	≥6,0 N/mm <sup>2</sup>
Adhesion strength with the isolation pannel	≥ 0,08 N/mm <sup>2</sup>
Water Absorption (after 30 minutes)	≤ 0,5 kg/m <sup>2</sup> .dk(0,5)
Water Absorption (after 240 minutes)	≤ 0,5 kg/m <sup>2</sup> .dk(0,5)
Water vapour transmission	μ ≤ 15
Application Thickness	4 mm
Thermal conductivity	0.67 W/m.K

## ■ Storage

Packaging	Net 25 kg bag, (64 units in pallet, 1600 kg).
Shelf life	1 year as of the production date in dry and moisturefree environment provided that packages will not be opened. Package should be kept tightly closed when not in use.

## DISCLAIMER

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