

Technical data sheet



Uses

- renovation render on old load-bearing underlay renders
- thick-layer mineral bonding and reinforced overlay render for **weber.therm** composite Etic systems
- for the socket area of Etic systems

Advantages

- thick and stable reinforced coat
- high bonding strength



Reinforced mortar for the composite Etics systems weber.therm A 200, B 100, and AK and BK 500, for renovation works of old, load-bearing renders

Fields of application

weber.therm 301 is a thick-layer mineral bonding and reinforced overlay render for **weber.therm** composite Etics systems (**A 200, B 100, AK 500** and **BK 500**) & the **weber.therm vacuum internal insulation system** .

It is also suitable for renovation works with application on old load-bearing renders.

Description

weber.therm 301 is a factory-mixed, mineral dry mortar according to EN 998-1.

Composition

Cement, well-graded mineral aggregates, hydrophobic agents, additives for better workability and bonding

Main features

- high bonding strength
- excellent workability properties
- can be applied by mechanical means (mixing and pumping machine)
- together with the **weber.therm** meshes, it forms a reinforced layer with high performance for all **weber.therm** composite Etics systems
- convenient on top of old load-bearing renders

Date: 27.1.2016



Saint-Gobain Weber GmbH

Headquarter: Schanzenstraße 84 • 40549 Düsseldorf • Tel. +49 211 91 369-0 • Fax + 49 211 91 369-129 • www.sg-weber.de

Export Service: Lohstr. 61 • 45711 Datteln • Tel. +49 23 63 399-0 • Fax +49 23 63 399-154

Register court: AG Düsseldorf HRB 65250 • VAT-No.: DE 122 39 2875

Supervisory Board: Benoît d'Iribarne • Management Board: Florent Pouzet

Quality control

weber.therm 301 is subject to a regular external and internal quality control according to EN 998-1.

Technical data

Coefficient of water absorption (w) (DIN V 18550)	< 0.5 kg/m ² · √h
Coefficient of resistance to water vapour diffusion (μ) (EN 998-1)	≤ 25
Category of water permeability (EN 998-1)	W 2
Yield	approx. 780 litres/ton
Compressive strength	>4 N/mm ²
Category of compressive strength	CS IV
Bonding strength	>0.3 N/mm ²
Fire behaviour (EN 13501-1)	A1

General notices

- Do not mix the render with additives.
- Temperature of substrate, air and material during application and setting must be at least +5°C.
- Protect the fresh render from rain in order to avoid efflorescence and also from too quick water evaporation, for ensuring an optimal hardening.
- For application comply with the national standards and guidelines.
- Due to the specific substrates and the type of application the consumption might vary. Final consumption must be determined on a trial area. The consumption figures mentioned here are related to minimum thickness layer.

Preparation of substrates

- The substrate must be load-bearing, sufficiently dry and even.
- Remove dirt, dust, loose particles and any other adhesion-impairing substances.
- Existing old paints must be removed up to at least 70%.
- In case of critical substrates or those deviating from standards, ask our technical department.

Working instructions

- The product can be applied with any usual plaster machine or mixing pump (upon agreement of our technical department).
- If applied by hand, mix the bag content with the specific water ration till lumpfree.
- Apply **weber.therm 301** with a serrated stainless trowel in a thickness of approx. 3 mm on top of the insulation boards and smoothen with flat trowel.
- For application on boards a spray gun can be used, too.

Date: 27.1.2016



Saint-Gobain Weber GmbH

Headquarter: Schanzenstraße 84 • 40549 Düsseldorf • Tel. +49 211 91 369-0 • Fax + 49 211 91 369-129 • www.sg-weber.de

Export Service: Lohstr. 61 • 45711 Datteln • Tel. +49 23 63 399-0 • Fax +49 23 63 399-154

Register court: AG Düsseldorf HRB 65250 • VAT-No.: DE 122 39 2875

Supervisory Board: Benoît d'Iribarne • Management Board: Florent Pouzet

Application as glue of insulation boards

- Apply **weber.therm 301** all around the insulation boards and in 2-3 vertical stripes.
- Apply so much material that a contact surface with the substrate of at least 50% is obtained after pressing the boards.
- In case of sufficiently smooth substrates and in case of use of the insulation boards **weber.therm speedy** and express the mortar can be applied in stripes on the substrate with a coverage of at least 50 % by mechanical means.

Application as reinforced mortar

- Apply in 4 – 7 mm thickness on insulation boards and smooth with flat trowel
- Insert the mesh **weber.therm 310** fresh-in-fresh between the first and the second coat in vertical or horizontal directions across the whole surface. The overlapping must be 10 cm on both sides. Gently smooth the mesh with flat trowel.
- In case of thick layer renders (scraped renders) roughen the last coat of **weber.therm 301** with a hard broom.
- In case of thin layer renders smooth the last coat of **weber.therm 301** with flat trowel.

Application on old renders

- Clean and prepare the surface.
- Existing old paints must be removed up to at least 70%.
- Apply **weber.therm 301** up to max. 10 mm thickness.
- Insert the mesh **weber.therm 310** fresh-in-fresh between the first and the second coat in vertical or horizontal directions across the whole surface. The overlapping must be 10 cm on both sides. Gently smooth the mesh with flat trowel.
- In case of cracks use the coarse mesh **weber.therm 310** in vertical or horizontal seams. The overlapping must be 10 cm on both sides. Gently smooth the mesh with flat trowel
- In case of thick layer render (scraped renders) roughen the last coat of **weber.therm 301** with a hard broom.
- In case of thin layer renders smooth the last coat of **weber.therm 301** with flat trowel.

Finish renders or paints

- After drying **weber.therm 301** can be coated with mineral overlay renders, for ex. **weber.star 220** etc. or organic render for ex. **weber.pas** or **weber.pas AquaBalance** overlay renders (dispersion-based or silicon resin-based).

Consumption

- Glue: approx. 5.0 kg/m² - yield approx. 6 m² per 30 kg bag
- Underlay coat: approx. 7.0 kg/m² - yield approx. 4.3 m² per 30 kg bag
- Total: approx. 12 kg/m² - yield approx. 2.5 kg/m²

Practical information

Color	grey
Water dosage	approx. 7.5 litres / 30 kg bag
Tools	serrated stainless steel trowel
Layer thickness	approx. 4 – 7 mm

Date: 27.1.2016

Saint-Gobain Weber GmbH

Headquarter: Schanzenstraße 84 • 40549 Düsseldorf • Tel. +49 211 91 369-0 • Fax +49 211 91 369-129 • www.sg-weber.de

Export Service: Lohstr. 61 • 45711 Datteln • Tel. +49 23 63 399-0 • Fax +49 23 63 399-154

Register court: AG Düsseldorf HRB 65250 • VAT-No.: DE 122 39 2875

Supervisory Board: Benoît d'Iribarne • Management Board: Florent Pouzet

Storage the product can be stored for up to 12 months, if kept dry, and its original sealed packaging.

Packaging	Sales unit	Number per wrapped euro-pallet
Paper bag	30 kg	42 bags

Legal notes

The correct and hence successful application of our products is not within our control. A guarantee can therefore only be accepted for the quality of our products within the framework of our sale and supply conditions but not for their successful use.

Observe the safety precautions for protection of health and prevention of accidents given in the safety data sheet and on the label of the packaging.

This data sheet supersedes all earlier technical data on this product. Information supplied by our employees and/or distributors going beyond the scope of this data sheet must be confirmed in writing.

We reserve the right to make changes representing technical progress.

Date: 27.1.2016



Saint-Gobain Weber GmbH

Headquarter: Schanzenstraße 84 • 40549 Düsseldorf • Tel. +49 211 91 369-0 • Fax + 49 211 91 369-129 • www.sg-weber.de

Export Service: Lohstr. 61 • 45711 Datteln • Tel. +49 23 63 399-0 • Fax +49 23 63 399-154

Register court: AG Düsseldorf HRB 65250 • VAT-No.: DE 122 39 2875

Supervisory Board: Benoît d'Iribarne • Management Board: Florent Pouzet