

weber.therm style 2 K

Special bonding mortar

Flexible adhesive for laying glass panels on Etics

Fields of application

weber.therm style 2 K is an adhesive mortar based on an innovative mortar technology. It enables the safe and durable installation of safety glass panels on the bonding and reinforcing mortar **weber.therm 301** within the Etics (external thermal insulation composite system) **weber.therm style Glas**.

Thanks to its reactive setting, the special bonding mortar is ideal for outdoor works.
For use outdoors.

Description

weber.therm style 2 K is a factory-mixed, 2-component, mineral dry mortar.

Composition

Special cement, graded mineral aggregates, additives.

Main features

- rapid strength of the mortar matrix
- weather-independent through-drying due to reactive binder
- suitable on top of Etics **weber.therm style Glas**
- for use outdoors

Technical values

Application temperature:	+3°C - +30°C (air and substrate)
Density of mixed compounds:	env. 0.7 kg/dm ³
Consistency:	trowel grade after mixing
Mixing ratio:	1 kg powder : 1 kg liquid
Pot life:	approx. 30 minutes
Clean-up:	water (fresh product); only by mechanical means and with thinner weber.sys 992 (dry product)

Quality control

weber.therm style 2 K is subject to a regular quality control by self-monitoring.

General notes

- Comply with the national standards and/or guidelines, for ex. DIN 18157 “Execution of tilings and coverings” and the leaflets of ZDB (Central Association of German Construction Industry); if not issued and if necessary, request technical advice.
 - Only install dry glass panels (no condensation or water drops on their surface).
 - All characteristics mentioned in this data sheet are given for a temperature of +20°C, without draft and a relative rate of humidity of 50%.
 - Protect the work from moisture until the product has set completely.
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Special notes

- As a rule, **weber.therm style 2 K** must be laid on top of the bonding and reinforcing mortar **weber.therm 301**.
 - Check the evenness of the substrate; if necessary, apply a suitable levelling compound to achieve optimum evenness before laying **weber.therm 301**.
 - **weber.therm style 2 K** can be used to compensate for unevenness of **weber.therm 301** up to a maximum of 3 mm.
 - Before starting to install the glass panels, the dimensional deviations of the second layer of **weber.therm 301** must be less than 1 mm.
 - Protect the facade from direct sunshine by suitable measures during the works.
 - For large elements, lifting aids facilitate the installation and support structures or wedges facilitate the exact positioning.
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- Do not use in combination with non-ferrous metals (aluminium, copper, lead and zinc).
- Mounting parts (for ex. start rails, corner profiles etc.) must be made of stainless steel or plastic.
- Before starting the planning and application of the Etics **weber.therm style Glas**, it is essential to request technical advice of the **Weber** Technical Department for Applications.

Substrate preparation

- The substrate must be sufficiently solid, load-bearing, clean, dry dimensionally stable, and free of all adhesion-impairing particles and substances.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- Do not add any foreign substances during mixing and application.
- Do not re-mix or add water to the mixture.
- Do not apply the material if it has begun to set; do not re-mix or add water to the mixture.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Mixing

- The amounts of both components (liquid and powder) are delivered pre-mixed and adjusted to each other. Mix the components A and B in a ratio of 1 : 1 part by weight. Do not change the proportions on site.
- Mix with a high-performance electric drill (max. 800 rpm/min.) and the stirrer **weber.sys Rührpaddel** no. 8 during 2 - 3 minutes, until a homogenous, lump-free and slurry-like mortar is achieved.

Application

- **weber.therm style 2 K** must always be freshly mixed section by section; its practical working time is approx. 30 minutes.
- Apply a contact layer onto the substrate (the 2nd layer of **weber.therm 301**), using a flat trowel.
- The appropriate laying of **weber.therm style 2 K** requires a full-surface bond over the whole surface of the substrate and the glass elements; for this purpose, a double glueing operation according to the buttering-floating method is necessary, i.e one layer on the substrate and one layer of the panel backside.

- First apply the adhesive mortar onto the substrate, using the rake **weber.sys Großflächenraker** equipped with the notched blade **weber Zahnleiste** no. 2 (notch 5 mm).
- Secondly apply the adhesive mortar onto the backside of the glass elements with the patented notched trowel **weber.sys Schichtdickenkelle**, which always provides a regular layer thickness of 3 mm, whatever the hand angle is.
- Do not use other tools than those mentioned above.
- Before a skin is formed (check whether the mortar sticks to the finger), the glass elements must be inserted into the fresh mortar bed and pressed. A slight pressure is used to place the elements in their final position and to align them precisely flat. It is important to achieve a full-surface bond of the glass elements.
- Immediately after installation, scrape out the joints and remove any remaining adhesive mortar from the glass panel surfaces.
- Clean tools with water immediately after use.

Practical information

Colour:
grey

Drying time:
approx. 2 - 3 days

Tools:
Electric drill + stirrer **weber.sys Rührpaddel** no. 8, flat trowel, notched trowel (3 mm) **weber.sys Schichtdickenkelle**, rake **weber Großflächenraker** + notched blade **weber Zahnleiste** no. 2 (notch 5 mm).

Storage:
The product can be stored up to 12 months in its original unopened packaging, if stored dry and protected from moisture. Frost destroys the liquid component. After thawing it is not allowed to be used.

Consumption / yield

approx. 7.5 kg/m² with "buttering-floating method", using patented notched trowel (3 mm) **weber.sys Schichtdickenkelle** on the backside of glass panels and rake **weber Großflächenraker** + notched blade **weber Zahnleiste** no. 2 (notch 5 mm) on the substrate

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bucket (comp. A + B)	18 kg	60 buckets

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.