

## weber.therm 370

### Special bonding mortar

High-performance mineral bonding mortar for critical substrates



### Product profile

- mineral bonding mortar for **weber.therm** ETICS (external thermal insulation composite systems)
- high-performance, mineral bonding mortar for critical substrates
- bonding mortar for ceramic coverings on **weber.therm** ETICS (external thermal insulation composite systems)

### Product advantages

- high bonding strength
- flexibilized
- long-term and frost-resistant bonding

### Product description

**weber.therm 370** is a factory-produced, mineral dry mortar according to DIN EN 998-1.

### Fields of application

**weber.therm 370** is a hydraulically setting, highly modified bonding mortar. It can be used for bonding to very low-porosity substrates, such as bituminous waterproofing layers or dense concrete. Additionally, it is suitable for bonding ceramic coverings onto the ETICS (external thermal composite systems) **weber.therm AK 500/BK 500**.

### Consumption / yield

Bonding of insulation boards	approx. 5.0 kg/m <sup>2</sup>	approx. 6.0 m <sup>2</sup> /30 kg
Bonding of clinker brick slips	approx. 4.0 kg/m <sup>2</sup>	approx. 7.5 m <sup>2</sup> /30 kg

### Technical values

Water demand	approx. 6.5 l/30 kg
Water vapour diffusion resistance [μ]	≤ 25
Tensile adhesion strength	> 1 N/mm <sup>2</sup>
Solid mortar density	approx. 1,600 kg/m <sup>3</sup>
Strength class	CS IV
Reaction to fire [EN13501-1]	A2-s1, d0
Composition	cement, graded mineral aggregates, additives for better workability and adhesion to the base coat
Color shades	natural grey
Water absorption coefficient w (DIN 18550)	< 0.5 kg/m <sup>2</sup> -√h
Temperature of air, materials and substrate during application	not below +5 °C

### Storage

Shelf life	min. 12 months
Storage conditions	In the original unopened packaging, dry and protected from moisture.

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### Application

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#### Surface preparation

- The surface must be load-bearing, sufficiently dry and level.
- Dirt, dust and loose particles must be removed from the surface.
- Reinforcement layers must have a curing time of at least 14 days.

#### Application

##### Mixing

- Pour the contents of the bag into a container of clean water. Using an electric drill with an appropriate stirrer, mix to form a paste-like mass.
- After leaving to stand for approx. 5 minutes, mix thoroughly again.
- Depending on the weather conditions, the mortar has a pot life of approx. 2 hours.

##### Application as an adhesive for ceramic coverings clinker brick slips on ETICS

- Apply the mortar using an appropriate notched trowel for the ceramic coverings.
- Do not apply more mortar than can be covered within 10–20 minutes.
- The mortar is applied on the backside of the ceramic coverings using the 'buttering-floating method' with 8 mm toothing.
- Press the ceramic coverings firmly onto the fresh mortar layer without delay, knocking them in lightly.
- Ensure that all ceramic coverings are fully bonded.

##### Application as a bonding mortar for insulation boards

- The **weber.therm** insulation boards are coated with bonding mortar on their backside in a frame shape and with two or three vertical strips.
- The mortar must be applied in such a way that at least 50% of the surface is bonded to the substrate after pressing.
- The **weber.therm** mineral lamella wool insulation boards are fully coated with bonding mortar on their backside and immediately pressed onto the substrate.

### General notes

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Do not add any foreign substances when mixing or applying the product.

The air temperature, the used materials and the surface must not fall below +5 °C during application and drying.

#### Occupational safety and environmental protection:

Health and environmental protection are always our top priorities. Therefore, please observe the following instructions:

- Avoid eye and skin contact by wearing suitable protective clothing (safety goggles and gloves).
- Wear long trousers.
- If contact with the eyes or skin nevertheless occurs, rinse thoroughly the affected area with water immediately and consult a doctor if necessary.
- The longer fresh render remains on your skin, the greater the risk of serious skin damage.
- Ensure thorough ventilation during and after application and drying.
- Avoid eating, drinking or smoking while applying the product.
- Keep it out of the reach of children and keep children away from fresh render.
- Use a combination filter A2/P2 for spray mist.
- Do not pour the product or its residues into bodies of water, drains or onto the ground.
- Only dispose of containers once they are completely empty for recycling.
- Clean tools immediately after use with soap and water.
- Material residues can be mixed with water and disposed of as construction site waste once hardened.
- Always follow the manufacturer's health and safety instructions during the application.

**weber.therm 370** is subject to regular quality control through external monitoring and self-monitoring in accordance with DIN EN 998-1.

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### Special notes

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Tools must be cleaned immediately after use with water.

### Packaging units

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Type	Unit	PU
sack	30 kilogram	42 sacks / palett

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

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