

## weber.therm 303

Bonding and reinforcing mortar

Universal mineral bonding and reinforcing mortar within ETICS weber.therm system B 200

### Product profile

- reinforcing mortar for overcoating old load-bearing renders
- thin-layer, mineral bonding and reinforcing mortar within **weber.therm** ETICS (external thermal insulation composite systems)

### Product advantages

- easy and safe application
- fine-grained bonding and reinforcing mortar
- suitable for thin-layer thicknesses

### Product description

**weber.therm 303** is a factory-mixed, mineral dry mortar.

### Fields of application

**weber.therm 303** is used as a thin-layer bonding and reinforcing mortar within ETICS (external thermal insulation composite system) **weber.therm B 200**.

### Product features

- high bonding strength and excellent workability properties
- best suited for mechanical application and is also available in silo
- in combination with the woven reinforcement mesh **weber.therm 311**, a high-performance reinforcement layer is achieved for use in **weber.therm** ETICS (external thermal insulation composite systems)

### Consumption / yield

Bonding mortar	approx. 5.0 kg/m <sup>2</sup>	approx. 6.0 m <sup>2</sup> /30 kg
Reinforcing mortar	approx. 4.0 kg/m <sup>2</sup>	approx. 7.5 m <sup>2</sup> /30 kg
Bonding and reinforcing mortar	approx. 9.0 kg/m <sup>2</sup>	approx. 3.4 m <sup>2</sup> /30 kg
Fresh mortar yield	approx. 750 l/tonne	

### Technical values

Layer Thickness	approx. 3 mm
Water demand	approx. 7.5 l/30 kg
Water vapour diffusion resistance [ $\mu$ ]	$\leq 25$
Class of capillary water absorption	W2
Tensile adhesion strength	$> 0.3$ N/mm <sup>2</sup>
Strength class	CS IV
Reaction to fire [EN13501-1]	A1
Composition	cement, graded mineral aggregates, fibers, hydrophobing agents, additives for better workability and adhesion to the base coat
Color shades	natural grey, natural white
Water absorption coefficient w (DIN 18550)	$< 0.5$ kg/m <sup>2</sup> -√h
Application, air and object temperature	not below +5 °C

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### Storage

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

### Application

#### Surface preparation

- The substrate must be load-bearing, sufficiently dry and level.
- The evenness of the surface must meet the requirements of DIN 18 202 "Tolerances in building construction".
- Any dirt, dust or loose particles must be removed from the surface.
- Any existing old coats of paint must be removed by at least 70%.
- A tensile adhesion test should be carried out on critical substrates.

#### Application

##### Mixing

- The bonding and reinforcing mortar is mixed using an electric drill fitted with an appropriate stirrer while adding the specified amount of clean water until a consistency suitable for application is achieved. The mortar can also be applied using all conventional rendering machines and silo mixing pumps (e.g. EMP). A special glue gun can be used to apply the bonding mortar to the insulation boards.

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

- Spray/apply the bonding mortar in the shape of a frame all around the polystyrene insulation boards **weber.therm EPS** with two or three vertical strips.
- The mortar should be spread so that, after pressing, at least 50% of the substrate is bonded to the surface.
- If the substrate is sufficiently even and the insulation boards **weber.therm EPS Facade speedy** are used, the mortar can also be sprayed/applied in beads onto the substrate (minimum 50 % coverage).
- Press the insulation boards into the mortar immediately afterwards.
- Alternatively, the bonding mortar can be spray-applied over the entire surface and then combed through. Immediately afterwards, the insulation boards are pressed into the fresh mortar.

##### Application as reinforcing mortar over insulation boards

- Spray/apply the reinforcing mortar approximately 3 mm onto the cleaned or appropriately pre-treated surfaces and levelled.
- Lay the woven reinforcement mesh **weber.therm 311**, then pressed into the reinforcing mortar in vertical or horizontal wrinkle-free strips using a trowel or smoothing trowel. The mesh must lie in the upper half of the reinforcing mortar.
- The surface is prepared according to the type of top coat.

##### Application as a overlay render

- Spray/apply the mortar approximately 3 mm to the cleaned or appropriately pre-treated render surfaces and levelled.
- If there are cracks in the old substrate, press the woven reinforcement mesh **weber.therm 311**, then press into the reinforcing mortar in vertical or horizontal, wrinkle-free strips using a trowel.
- The surface is prepared depending on the type of top coat.

### General notes

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

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

To ensure optimal hardening, the freshly applied mortar must be protected from water evaporating too quickly.

Comply with the application and execution DIN 18 350 VOB, Part C and DIN 18 550.

The hard sintered skin must be removed.

The consumption figures mentioned in this document refer to the minimum mortar layer thickness. Due to variations in substrates and application methods, the actual consumption may differ. The exact consumption must be determined using a mock-up (trial area) on the job site.

Adjacent building parts must be separated from the built-in render system.

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### 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 303** is subject to regular quality control through external monitoring and self-monitoring

### Packaging units

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Type	Unit	PU
sack	30 kilogram	36 sacks / palett
silob		