

weber.top 204 AquaBalance

Mineral coarse-graded scratch top render

Mineral scratch top render with Jura grains and mica, biocide-free

Fields of application

As overlay render (top coat) for indoors and outdoors on **weber.dur** underlay renders (base coat). Also as finish top coat on the insulating render **weber.therm** and **weber.therm** Etics (external thermal insulation composite systems).

For use indoors and outdoors.

Description

weber.top 204 AquaBalance is a factory-mixed, mineral dry mortar according to EN 998-1. Its final appearance is a granular scratched finish texture with Jura grains and mica.

Composition

White cement, white hydrated lime, graded mineral aggregates (among others Jura limestone grains - so-called "Jura marble" - and reflective mica), lime-, cement- and lightfast pigments, hydrophobing agents, additives for better workability and adhesion to base coat (underlayer render)

Main features

- without biocidal film preservation
- hydrophilic surface with a balanced moisture management
- excellent and durable protection against formation of algae and fungi
- high protection against driving rain (exposure class III with rainfall over 800 mm according to DIN 4108)
- creates a healthy living climate through optimal water vapour permeability
- self-cleaning effect
- light reflection through mica aggregates
- granular and heavy scratched finish texture
- for mechanical and manual application
- for use indoors and outdoors

Technical values

Compressive strength (28 days):	$\geq 1 \text{ N/mm}^2$ (class CS I - EN 998-1)
Coefficient of water absorption (w) (DIN 18550):	$< 0.5 \text{ kg/m}^2 \cdot \sqrt{h}$
Coefficient of water vapour permeability (μ) (EN 998-1):	≤ 20
Water vapour diffusion-equivalent air layer thickness (s_d) (EN ISO 7738-2):	$< 0.1 \text{ m}$
Class of capillary water absorption (EN 998-1):	W 1
Maximum water absorption:	650 g/m^2
Drying at $+20^\circ\text{C}/65\% \text{ r.h.}$ within 18 hours:	450 g/m^2
Mortar group (DIN 18550):	P II
Class of reaction to fire (EN 13501-1):	A 1 (non-combustible)

Quality control

weber.top 204 AquaBalance is subject to a regular quality control by external monitoring and self-monitoring according to EN 998-1.

General notes

- Protect fresh render surfaces from direct sunlight, strong winds or moisture.
- Comply with the national guidelines and/or standards (for ex. DIN 18550); if not issued and if necessary, request technical advice.
- The consumption figures mentioned in this document refer to the minimum layer thickness of the render. Due to specific substrates and application variations the consumption might vary. Exact consumption must be determined on a job site mock-up (trial area).
- Adjacent building parts must be separated from the built-in render system.

Special notes

- After drying the render colour might vary due to natural deviations of raw materials, render structure as well as application and drying conditions. For the same reasons the render colour might deviate from the **Weber** dry sample and colour chart. Colour variations cannot be considered as quality loss or as justified claim.
- If possible, order the whole material quantity for the building site in one. If any buckets with different batch numbers, mix them with one another.
- **weber.top 204 AquaBalance** has an optimized moisture management and offers a very high and durable protection against algae and fungi.
- Permanent high humidity level and dirt deposits for ex. in cases of application on socket areas of facades, faulty drainage and planting of trees close to buildings can promote the formation of algae and fungi.

Substrate preparation

- The substrate must be load-bearing, dry, free of dust, and all adhesion-impairing particles and substances.
- The base coat (underlay render) must be roughened sufficiently.
- Respect the drying time of the prevailing base coat prior to next applications.
- Depending on the weather conditions, pre-wet the base coat.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- Temperature of air, materials and substrate during application and drying: $\geq +5^{\circ}\text{C}$ - $\leq +30^{\circ}\text{C}$
- Do not add any foreign substances during mixing and application.

Mixing

- **Mechanical application:** the render can be applied with all conventional render machines (with mixing, conveying and spraying equipment). In case of doubt, request our technical advice.
- **Manual application:** mix the bag content (25 kg) with approx. 4.2 liters of water until lump-free, using an electric drill and an appropriate stirrer.

Application

- Spray/apply **weber.top 204 AquaBalance** with a stainless steel smoothing trowel onto the prepared substrate in 10-mm thickness + grain size from the top of the facade in direction downward.
- Work “wet-on-wet” between each scaffolding level so as to avoid transition areas between each level.
- Rule level with a notched aluminium lath (plasterer’s darby) to remove trapped air bubbles.
- Wait for a sufficient hardening of the render before scratching works can begin; as a rule, the right time for scratching is when the grains “spring”. For scratching use a nail float in similar round motions. After scraping works, the final render thickness should be approx. 8 mm.
- Sweep the scratched surface with a soft broom or a soft bristle brush from the top of the facade in direction downward.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Grain sizes:

3.0 mm, 4.0 mm and 5.0 mm

Colours:

white (diamond 0010) and colours according to the **Weber** colour chart; special colours upon request

Application thickness:

Render thickness 10.0 mm + grain size

Water demand:

approx. 4.2 liters / 25 kg

Tools:

Render machine (with mixing, conveying and spraying equipment) or electric drill + stirrer, stainless steel smoothing trowel, notched aluminium lath (plasterer’s darby), nail float (scratching tool), soft broom or soft bristle brush

Storage:

The product can be stored up to 12 months in its original unopened packaging, if kept dry and protected from moisture.

Technical Data Sheet



Consumption / yield

3.0 mm grain size:	approx. 22.0 kg/m ²	approx. 1.1 m ² / 25 kg
4.0 mm grain size:	approx. 24.0 kg/m ²	approx. 1.0 m ² / 25 kg
5.0 mm grain size:	approx. 25.0 kg/m ²	approx. 1.0 m ² / 25 kg

Packagings

Type	Sales unit	Number / euro-pallet
Paper bag	25 kg	42 bags

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.