

weber.ton 410 AquaBalance

Silicate paint, outdoors

Ready-to-use potassium water glass-based facade paint for mineral substrates, biocide-free

Fields of application

For the colour design of mineral overlay renders (range **weber.star** and **weber.top**), silicate overlay renders (range **weber.pas**), concrete, lime sandstones, sandstones and other mineral substrates. Particularly dedicated on all pre-said renders of AquaBalance technology. For use outdoors.

Description

weber.ton 410 AquaBalance is a factory-mixed and ready-to-use silicate facade paint based on potassium water glass.

Composition

Potassium water glass, small quantity of organic additives for stabilization, additives for better workability and adhesion to substrate, high-quality pigments, hydrophobing agents.

Main features

- without biocidal film preservation
- without preservatives
- hydrophilic surface with a balanced moisture management
- excellent and durable protection against formation of algae and fungi
- excellent covering capacity
- lightfast
- water-repellent
- highly open to water vapour diffusion
- classic mineral properties
- for all mineral substrates
- for use outdoors

Technical values

Water permeability rate (w) (EN 1062-1):	> 0.5 kg/m ² * √h	W ₁ high
Water vapour diffusion current density (V) (EN 1062-1):	> 150 g/m ² * d (= per day)	V ₁ high
Water vapour diffusion- equivalent air layer thickness (s _d)(EN 1062-1):	< 0.14 m	
Gloss (G) (EN 1062-1):	matt	G ₃
Grain size (S) (EN 1062-1):	< 100 µm	S ₁ fine
Dry film thickness (E) (EN 1062-1):	> 50 µm / ≤ 100 µm	E ₂
Density:	1.3 - 1.5 g/cm ³	

Quality control

weber.ton 410 AquaBalance is subject to a regular quality control by self-monitoring.

General notes

- In case of repair works of old renders, make sure that the repaired surfaces correspond in structure, hardness and porosity to those of the old render, in order to avoid shading and colour deviations after completion of painting works.
 - 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).
 - Comply with the national guidelines and/or standards (for ex. DIN 18550); if not issued and if necessary, request technical advice.
 - If possible, order the whole material quantity for the building site in one. If any buckets of different batch numbers, mix them with one another.
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Special notes

- Thanks to its optimized moisture management **weber.ton 410 AquaBalance** offers a very high and durable protection against algae and fungal growth.
 - Pre-condition for achieving this protection is the correct application as described in this document.
 - The highest level of protection against algae and fungi is achieved by using an AquaBalance paint on an AquaBalance render.
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- For renovation of old renders and paints (with and without AquaBalance technology) we recommend the silicone resin facade paint **weber.ton reno AquaBalance**.
- 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, clean and free of all loose particles.
- Clean old substrates carefully by washing; allow wet cleaned surfaces to dry thoroughly before any further treatment.
- Old substrates, high-porosity substrates, substrates with different porosity or slightly sanding substrates: use the solvent-free and deep-penetrating primer **weber.prim 400** for purpose of consolidation.
- Allow freshly applied renders to dry thoroughly and paint over after approx. 7 days at the earliest. The drying period will vary according to weather conditions.
- Whenever a uniform porosity on smoothed renders is requested, dilute the silicate fixative (water glass-based primer) **weber.prim 406** with water for purpose of silicification.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- During application and drying, the temperature of air, material and substrate must not fall below +5°C; the relative humidity rate must be always < 80%.
- Protect areas which should not be painted.
- Stir well the packaging content with an electric drill and an appropriate stirrer; adjust the consistency according to the substrate.
- **Intermediate coat:** dilute **weber.ton 410 AquaBalance** with 10% - 20% of the primer **weber.prim 406**.
- **Top coat:** dilute **weber.ton 410 AquaBalance** with 5% - 10% of the primer **weber.prim 406** or clean water.
- As a rule, apply edge-free in a thin and uniform manner on the whole surface.
- Respect the drying time of at least 24 hours between intermediate and top coat.
- Only use premium tools: brush, paintbrush, padded lambskin roller with high pile or airless sprayer (nozzle 628 and approx. 120 bar pressure).
- Work without interruptions and “wet-in-wet” when applying the top coats to avoid breaks between working sections.

- Always paint delimited facade surfaces in a single work process without interruption.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Colours:

white (200.3) and colours according to **Weber** colour chart

Tools:

Brush, paintbrush, padded lambskin roller with high pile or airless sprayer (nozzle 628 and approx. 120 bar pressure).

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept frost-free and protected from sunlight (at temperatures between +5°C and +30°C). Frost will destroy the product. After thawing it is not allowed to use it.

Consumption / yield

per coat: approx. 0.2 l/m² approx. 75.0 m² / 15 liters

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bucket Plastic bucket	5 liters 15 liters	48 buckets 24 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.