

weber.ton 414 AquaBalance

Silicate egalizing paint, outdoors and indoors

Hydrophilic silicate egalizing paint, biocide-free

Fields of application

As silicate egalizing paint providing an excellent and durable protection against algae and fungi. For the over-coating of unevenly dried coloured overlay renders/plasters: mineral top coats (range **weber.star** and **weber.top**) and silicate top coats (range **weber.pas**). Particularly dedicated on all pre-said renders of AquaBalance technology. For use indoors and outdoors.

Description

weber.ton 414 AquaBalance is a factory-mixed and ready-to-use facade paint based on potassium water glass.

Composition

Potassium water glass, organic binders, additives for better workability and adhesion to substrate, high-quality pigments, without biocidal facade preservatives (film preservation).

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
- highly open to water vapour diffusion
- easy application
- excellent covering capacity
- weather-resistant
- insensitive to dirt
- solvent-free

Technical Data Sheet



- for several mineral and organic substrates
- for use indoors and outdoors

Technical values

| | | |
|---|--|--|
| Water permeability rate (w) (EN 1062-1): | 0.14 kg/m ² * √h | W ₂ medium (≤ 0.5 - > 0.1 kg/m ² * √h) |
| Water vapour diffusion current density (V) (EN 1062-1): | > 150 g/m ² * d (= per day) | V ₁ high |
| Diffusion equivalent air layer thickness (s _d) (EN 1062-1): | < 0.04 m | V ₁ high (< 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 414 AquaBalance is subject to a regular quality control by self-monitoring.

General notes

- In case of repair works of old renders/plasters, make sure that the repaired surfaces correspond in structure, hardness and porosity to those of the old render/plaster, 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/plaster. 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 414 AquaBalance** offers a very high and durable protection against algae and fungal growth.
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- 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.
- 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.
- Allow freshly applied renders/plasters to dry thoroughly approx. 7 days at the earliest; the drying period will vary according to weather conditions.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- During application and drying, the temperature of air, materials 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.

Application as egalizing paint

- Dilute **weber.ton 414 AquaBalance** with max. 5% of the silicate fixative (water glass-based primer) **weber.prim 406** or clean water.
- As egalizing paint on renders/plasters with a uniform colour apply **weber.ton 414 AquaBalance** in one coat.
- As egalizing paint for colours with a brightness reference value > 40, also one coat will do.

Application in 2 coats

- **Base coat:** dilute **weber.ton 414 AquaBalance** with max. 5% - 10% of **weber.prim 406** or clean water.
- **Top coat:** dilute **weber.ton 414 AquaBalance** with max. 5% of **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 base coat and top coat.
- Only use premium tools: brush, paintbrush, padded lambskin roller with high pile.
- 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 or padded lambskin roller with high pile.

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 | 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.