Technical Data Sheet

weber.ton reno AquaBalance

Silicone resin paint, outdoors and indoors

Facade paint for renovation with high protection against algae and fungi, without biocidal film preservation

Fields of application

weber.ton reno AquaBalance is a fully-fledged silicone resin facade renovation paint.
Its physical principle of action prevents the growth of algae, fungi and fouling in a particularly effective and environmental-friendly way.
Particularly dedicated for the coating of all old overlay renders (top coats) and paints on facades (with and without AquaBalance technology).
For the colour design of several types of overlay renders: mineral top coats (range **weber.star** and **weber.top**) as well as silicate top coats, organic top coats and silicone resin top coats (range **weber.pas**).
For use outdoors.

Description

weber.ton reno AquaBalance is a factory-mixed and ready-to-use facade paint based on silicone resin.

Composition

Silicone resin, 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
- hydrophilic surface with a balanced moisture management
- excellent and durable protection against formation of algae and fungi
- particularly resistant to microbiological fouling (green vegetation)
- highly open to water vapour diffusion
- easy application
- with excellent covering capacity

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- insensitive to dirt
- solvent-free
- for renovation works
- for use outdoors

Technical values

Water permeability rate (w) (EN 1062-1):	≤ 0.5 - > 0.1 kg/m² * √h	W_2 medium
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):	< 0.14 m	
Gloss G (EN 1062-1):	dull	G_3
Grain size S (EN 1062-1):	< 100 µm	S_1 fine
Dry film thickness E (EN 1062-1):	> 100 µm - ≤ 200 µm per coat	E_3
Density:	1.3 - 1.5 g/cm^3	

Quality control

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

General notes

- **Limits of use**: do not use **weber.ton reno AquaBalance** on new biocide-containing renders or paints.
- 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.

Special notes

- Thanks to its optimized moisture management **weber.ton reno 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.
- 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.
- Residual microbiological fouling (green vegetation) on old substrates increases the risk of a new fouling; for this reason, all fouling marks must be completely removed prior to application.

Substrate preparation

- The substrate must be load-bearing, dry, clean, and free of all loose and adhesion-impairing particles.
- Clean old substrates carefully; allow wet cleaned surfaces to dry thoroughly before any further treatment.
- Fouling of any kind must be disinfected with appropriate means; in case of strong fouling, request technical advice.
- Algae and fungi must be removed completely.
- Mineral renders/paints: use the silicate fixative primer (water glass-based primer) **weber.prim 406** for purpose of silification.
- Organic renders/paints: use the solvent-free and deep-penetrating primer **weber.prim 400** for purpose of consolidation.

Application

- During application and drying, the temperature of air, material and substrate must not fall below +5°C; the relative humidity rate must always be < 80%.
- Protect areas not to be painted.
- Stir the packaging content well with an electric drill and an appropriate stirrer.
- In general, use the paint undiluted; however, the consistency can be adjusted with some water according to the substrate porosity.
- Always apply **weber.ton reno AquaBalance** in at least 2 coats.

- **Intermediate coat**: dilute with max. 5% of clean water.
- **Top coat**: best practice is to apply undiluted.
- As a rule, apply edge-free in a thin and uniform manner on the whole surface.
- Allow sufficient time for drying between intermediate coat and top coat: at least 12 hours.
- Only use premium tools: brush, paintbrush or 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.
- The dry thickness of all coats must be at least 250 µm; it corresponds to a 2 coat-application up to saturation.
- 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

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.

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