Technical Data Sheet

weber.ton 412 AquaBalance

Dispersion paint, outdoors and indoors

Hydrophilic dispersion paint, biocide-free

Fields of application

As weather-resistant paint with an excellent and durable protection against algae and fungi.
For the colour design of several types of new overlay renders/plasters: 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**) in new buildings.
Particularly dedicated on all pre-said renders of AquaBalance technology.
For use indoors and outdoors.

Description

weber.ton 412 AquaBalance is a factory-mixed and ready-to-use dispersion-based facade paint.

Composition

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
- excellent covering capacity
- water-repellent
- very good tinting properties
- for use outdoors and indoors

Technical values

Water permeability rate (w) (EN 1062-1):	≤ 0.5 - > 0.1 kg/m² * √h	W_2 medium
Water vapour diffusion stream density (V) (EN 1062-1):	≤ 150 - > 15 g/m^2 * d (= per day)	V_2 medium
Diffusion-equivalent air layer thickness (s_d) (EN 1062-1):	≥ 0.14 - < 1.4 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):	> 100 µm - ≤ 200 µm	E_3
Density:	1.3 - 1.5 g/cm^3	

Quality control

weber.ton 412 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.

Special notes

- Thanks to its optimized moisture management weber.ton 412 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.

- 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 and adhesion-impairing particles.
- Clean old substrates carefully by washing; allow wet cleaned surfaces to dry thoroughly before any further treatment.
- Old sanding substrates: use the deep-penetrating primer **weber.prim 400** for purpose of consolidation.
- Allow freshly applied renders/plasters to dry thoroughly and paint over after approx. 7 days at the earliest; the drying period will vary according to climatic conditions.
- Freshly applied mineral renders/plasters: use the silicate fixative (water glass-based primer) primer **weber.prim 406** for purpose of silicification.
- Substrates with different porosity: use the regulating primer **weber.prim 405**.
- In case of critical substrates that may result in discolouration or bleed through in the coating, a pre-treatment with **weber.prim 404** as barrier primer is necessary to ensure that the finish is not marred by “grinning” from the preceeding layer.
- 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 412 AquaBalance** with max. 10% of clean water.
- **Top coat**: dilute **weber.ton 412 AquaBalance** with max. 5% of 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 12 hours between intermediate and top coat.
- Only use premium tools: brush, paintbrush, padded lambskin roller with high pile or airless sprayer (nozzle 521 and approx. 100 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 521 and approx. 100 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.

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