

weber.pas 461 AquaBalance

Silicate floated top render

Hydrophilic silicate top coat with decorative grain-to-grain texture, biocide-free



Product profile

- for long-term protection against algae and fungal growth
- on **weber.therm** ETICS and **weber.dur** underlay renders
- for indoor and outdoor use

Product advantages

- without biocidal film preservation
- controlled hydrophilic, balanced moisture balance
- highly open to water vapour

Product description

weber.pas 461 AquaBalance is a factory-mixed and ready-to-use top coat in pasty (wet) form according to EN 15824.

Fields of application

weber.pas 461 AquaBalance is a silicone-based overlay render (top coat) for indoor and outdoor use with excellent and durable protection against algae and fungi. Suitable as a finish top coat on **weber.dur** underlay renders (base coat) and on **weber.therm** ETICS (external thermal insulation composite systems).

Product features

- without biocidal film preservation
- controlled hydrophilic surface with balanced moisture management, preventing the formation of algae and fungi
- highly open to water vapour
- particularly weather-resistant
- provides a high bonding to substrate thanks to silicification
- solvent-free

Consumption / yield

1.5 mm grain size	approx. 2.9 kg/m ²	approx. 8.6 m ² /25 kg
2 mm grain size	approx. 3.5 kg/m ²	approx. 7.1 m ² /25 kg
3 mm grain size	approx. 4.5 kg/m ²	approx. 5.5 m ² /25 kg

Technical values

Grain sizes	1,5 / 2 / 3 mm
Layer thickness	1.5 - 3 mm
Water vapour diffusion stream density (EN 7783-2)	150 g/m ² d
Diffusion-equivalent air layer thickness (DIN ISO 7783-2)	0.2 m
Maximum water absorption	650 g/m ²
Drying at +20°C/65% r.h. within 18 hour	450 g/m ²
Base color	white (200.3)
Color shades	colours according to Weber colour chart
Application tool	smoothing trowel, plastic (PVC) trowel, spray gun

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Composition	organic binders, potassium water glass, graded mineral aggregates, additives for better workability and adhesion to the base coat, high-quality pigments, without biocidal facade preservation (film preservation)
Class of capillary water absorption	W2
Water permeability rate (DIN EN 1062-3)	< 0.3 kg/m ² √h
Water vapour diffusion stream density (DIN EN 1062-1)	V1
Bonding strength	≥ 0.3 MPa
Class of reaction to fire	A2-s1, d0

Storage

Shelf life	min. 12 months
Storage conditions	In the original unopened packaging, frost-free and away from direct sunlight (at temperatures between + 5 to + 30 °C).

Application

Surface preparation

- The substrate must be load-bearing, dry, clean and free of all loose particles. Carefully clean old underlay renders.
- Rule the base coat (underlay render) level. Apply the universal primer **weber.prim 403**.
- Respect the drying time of the prevailing base coat before next applications.
- Gypsum substrates are not allowed.

Application

Manual application:

- Stir well with a slow-speed electric drill and stirrer before application. If necessary, add some water to achieve a consistency suitable for application. Do not add any foreign substances during mixing and application.
- Spray the material with a conventional spray gun or apply it onto the prepared/primed substrate manually and strike off with a smoothing trowel to the grain thickness.
- Without delay work to the texture, using a plastic (PVC) trowel or a stainless steel smoothing trowel, depending on the desired pattern.
- Follow the recommendations to avoid colour differences as well as tool marks on the render coat and breaks, etc.:
 - use high-quality professional tools;
 - do not use different tools;
 - work quickly using the 'wet-in-wet' technique;
 - do not smooth surfaces that have already stiffened;
 - work simultaneously at all scaffolding levels to avoid differences in visual appearance.

General notes

Protect fresh render surfaces that are not completely dry from direct sunlight, strong winds or moisture.

Application and execution in accordance with DIN 18 350 VOB/C and DIN 18 550.

The consumption figures mentioned in this document refer to the minimum thickness of the render layer. Due to variations in substrates and application methods, the actual consumption may differ. Exact consumption must be determined on a mock-up of the job site (trial area).

Adjacent building parts must be separated from the built-in render system.

During application and drying of the material, the temperature of the air, material and surface must always be above +2 °C and the humidity must always be below 80 %

weber.pas 461 AquaBalance is subject to regular quality control through self-monitoring.

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Special notes

After drying, the render/plaster colour might vary due to natural deviations of raw materials, as well as the texture of the render/plaster due to application and drying conditions. For the same reasons, the colour of render/plaster may differ from the dry **Weber** sample or colour chart. Such colour variations cannot be considered quality loss or grounds for a justified claim.

In case of colour deviations of **weber.pas 461 AquaBalance** use the silicate equalizing paint **weber.ton 414 AquaBalance**. The coating must be provided for in tenders and quotations.

If possible, order the whole material for the job site at the same time. Packages with different batch numbers must be mixed together.

In case of overpainting top renders, it is always recommended to use paints with **AquaBalance technology** (for example **weber.ton 411 AquaBalance**).

Thanks to its optimized moisture management **weber.pas 461 AquaBalance** provides a highly effective and durable protection against algae and fungal growth.

A permanent high humidity level and dirt deposits (for example, in cases of application on socket areas of facades), faulty drainage, and planting trees close to buildings can promote the formation of algae and fungi.

The information in this technical information 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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