

weber.pas 481 AquaBalance

Silicone resin floated top render

Hydrophilic silicone resin top coat for 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 481 AquaBalance is a factory-produced, ready-to-use top coat that complies with EN 15824 (DIN 18558 P Org.1.).

Fields of application

weber.pas 481 AquaBalance is a top coat for indoor and outdoor use, offering excellent and durable protection against algae and fungi. Suitable as a finish top coat on **weber.dur** underlay renders (base coat) and **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
- easy application
- particularly weather-resistant
- highly resistant to mechanical loads
- solvent-free

Consumption / yield

0.5 mm grain size	approx. 1.2 kg/m ²	approx. 20.8 m ² /25 kg
1 mm grain size	approx. 1.9 kg/m ²	approx. 13.1 m ² /25 kg
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	0,5 / 1 / 1,5 / 2 / 3 mm
Layer thickness	0.5 - 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

weber.pas 481 AquaBalance

Silicone resin floated top render

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
Composition	silicone resin, organic binders, graded mineral aggregates, additives for better workability and adhesion to the base coat, high-quality pigments, without biocidal facade preservation (film preservation)

Storage

Shelf life	min. 12 months
Storage conditions	The product can be stored for at least 12 months in its original, unopened packaging if it is kept dry and protected from frost and direct sunlight (+5 to +30°C). Frost destroys the product. Once thawed, it is not allowed to be used. The product can be stored for at least 12 months in its original, unopened packaging, protected from frost and direct sunlight (+5 to +30°C).

Application

Surface preparation

- The substrate must be load-bearing, dry, clean and free of loose particles. Carefully clean old underlay renders.
- The substrate must be levelled and should be primed with universal primer **weber.prim 403**.
- Observe the drying time of the prevailing base coat before the next application.

Application

Manual application:

- Stir well with a slow-speed electric drill and stirrer before application. If necessary, add some water to achieve the best consistency suitable for application. Do not add any foreign substances during mixing and application.
- Apply the material onto the prepared and primed substrate using a smoothing trowel in grain thickness or spray on with a suitable, commercially available spraying device.
- Without delay, work on the texture, using either 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.:
 - work quickly using the "wet-in-wet" technique;
 - do not use different tools;
 - do not smooth surfaces that have already stiffened;
 - work simultaneously at all scaffolding levels to avoid differences in visual appearance.

General notes

The material dries through water evaporation. Therefore, damp weather conditions can delay drying. Complete drying can take up to 2 weeks.

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.

weber.pas 481 AquaBalance

Silicone resin floated top render

During application and drying of the material, the temperature of the air, the material itself and the substrate must always be above +5 °C, and the relative humidity must always be below 80%.

weber.pas 481 AquaBalance is subject to regular quality control through self-monitoring.

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.

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 optimised moisture management **weber.pas 481 AquaBalance** provides highly effective and long-lasting protection against algae and fungal infestation.

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 product in grain sizes < 1.5 mm can only be applied in combination with the "Ticino" method.

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.

Registered office: maxit west GmbH | Paul-Mathis-Str. 1 | 79291 Merdingen
Contact: info@weber-maxit.de | www.weber-maxit.de
Commercial register: AG Freiburg im Breisgau HRB 733505 | VAT no.: DE455990071

Version: 2025-10-01 | page: 3/3