Technical Data Sheet

weber.pas 431

Dispersion-based floated render

Organic top coat with a decorative grain-to-grain texture

Fields of application

As overlay render (top coat) for outdoors on weber.dur underlay renders (base coat) and as finish top coat on all **weber.therm Etics systems** (external thermal insulation composite systems).

Description

weber.pas 431 is a factory-mixed, solvent-free, resin dispersion, ready-to-use top coat in wet form according to EN 15824 (DIN 18558 P Org. 1). Its final appearance is a floated finish with a grain-to-grain texture.

Composition

Organic binders, graded mineral aggregates (among other marble grains), additives for better workability and adhesion to base coat (underlay render), high-quality pigments.

Main features

- water-repellent
- resistant to high mechanical loads
- very good adhesion to all substrates
- highly elastic
- weather-resistant
- solvent-free
- decorative floated finish with a grain-to-grain texture
- fulfills all requirements of the norms EN 15824 and DIN 18550, part 1 for organic renders

Saint-Gobain Weber GmbH
Schanzenstr. 84, D-40549 Düsseldorf
Contact: export.de.weber@saint-gobain.com

Technical values

Water permeability rate (EN 1062-3):	< 0.3 kg/m² * √h
Water permeability (EN 15824):	W_3
Water vapour diffusion stream density (EN 1062-1):	V_2
Water vapour diffusion stream density (EN 7783-2):	15 - 150 g/m².d (= per day)
Water vapour diffusion-equivalent air layer thickness (ISO 7783-2):	< 0.2 m
Maximum water absorption:	150 g/m²
Drying at +20°C/65% r.h. within18 hours:	100 g/m²
Adhesive strength:	≥ 0.3 MPa
Class of reaction to fire (EN 13501-1):	A 2-s1, d0 (non-combustible)

Quality control

weber.pas 431 is subject to a regular quality control by self-monitoring.

General notes

- Material dries by evaporation of water. Therefore, damp weather will delay drying. Complete drying may take up to 2 weeks.
- During application and drying, the temperature of air, materials and substrate must always be above +5°C and the relative humidity rate must be below 80 %.
- Protect fresh render surfaces from direct sunlight, strong winds or moisture.
- For application and design follow the national guidelines/standards; if not issued and if necessary, refer to the norms DIN 18350 VOB/C and DIN18550.
- 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).
- Adjacent building parts must be separated from the built-in render system.

Special notes

- After drying the render colour might vary due to natural deviations of raw materials, render structure as well as application and drying conditions. For the same reasons the render colour might deviate from the **Weber** dry sample or colour chart. Colour variations cannot be considered as quality loss or as justified claim.

Saint-Gobain Weber GmbH
Schanzenstr. 84, D-40549 Düsseldorf
Contact: export.de.weber@saint-gobain.com

- If possible, order the whole material quantity for the building site in one. If any buckets with different batch numbers, mix them with one another.
- The product is algicidal and fungicidal since it contains biocides for the film preservation. Use biocides safely. Always read the label and product information before use.
- We recommend biocide-free products with AquaBalance technology for a very high and durable protection against algae and fungal growth.
- 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 fungi and algae.

Substrate preparation

- The substrate must be clean, dry, load-bearing, and free from efflorescence.
- Remove cement laitance (hard sinter skin) with a notched large trowel.
- Rule the base coat (underlay render) level.
- The universal primer **weber.prim 403** should be applied.
- Respect the drying time of the prevailing base coat prior to next applications.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

- Stir well with a slow-running electric drill and stirrer before use. If necessary, add some water to achieve best consistency.
- Do not add any foreign substances during mixing and application.
- Spray with a conventional spray gun/apply the product onto the prepared/primed substrate and strike off with a stainless steel smoothing trowel to grain thickness.
- Without delay work to the texture, using a plastic (PVC) trowel, a wooden disk or a PU float, depending on the desired pattern.
- Respect following recommendations in order to avoid differences in colour as well as tool marks on the render coat and breaks etc. between working sections: do not use different tools, work “wet-on-wet”, do not smooth already stiffened render surfaces and work simultaneously at all scaffolding levels to avoid differences in the visual appearance.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Grain sizes:
1.5 mm, 2 mm and 3 mm

Colours:
White and 161 colours according to the **Weber** colour chart; special colours upon request

Application thickness:
1.5 mm - 3 mm

Tools:
Electric drill + stirrer, spray gun, stainless smoothing trowel, plastic (PVC) trowel, wooden disk, PU float.

Storage:
The product can be stored for up to 12 months in its original unopened packaging, if kept dry and frost-free.

Consumption / yield

1.5 mm grain size:	approx. 2.9 kg/m²	approx. 8.6 m² / 25 kg
2 mm grain size:	approx. 3.5 kg/m²	approx. 7.1 m² / 25 kg
3 mm grain size:	approx. 4.5 kg/m²	approx. 5.5 m² / 25 kg

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bucket	25 kg	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.

Saint-Gobain Weber GmbH
Schanzenstr. 84, D-40549 Düsseldorf
Contact: export.de.weber@saint-gobain.com