

weber.cal 178

Lime smoothing plaster

Mineral lime-based finishing plaster for smooth interior surfaces



Product profile

- white surface
- for indoor use
- finishing coat for paint- and wallpaper-ready surfaces

Product advantages

- for manual application
- mould-inhibiting
- can be easily smoothed

Product description

weber.cal 178 is a factory-mixed, mineral dry mortar according to DIN EN 998-1.

Fields of application

weber.cal 178 is a mineral lime-based finishing plaster for creating paint- and wallpaper-ready surfaces indoors. Suitable for use on lime underlay plasters **weber.cal** and underlay renders (base coat) **weber.dur**.

Product features

- for manual application
- is mould-inhibiting
- is highly permeable to water vapour
- is moisture-regulating
- can be easily smoothed
- natural white

Consumption / yield

at 1 mm thickness	approx. 1.0 kg/m ²	approx. 25.0 m ² /25 kg
at 2 mm thickness	approx. 2.0 kg/m ²	approx. 12.5 m ² /25 kg

Technical values

Layer thickness	1 - 2 mm
Class of capillary water absorption	WO
Reaction to fire [EN13501-1]	A1
Strength class	CS I
Mortar Group (DIN 18550)	PI
Base color	Natural white
Composition	white hydrated lime, hydraulic lime, high-quality white fillers, air-entraining agent, cellulose
Water consumption (absolute)	11 l/25 kg
Water vapour diffusion resistance coefficient μ	≤ 25

weber.cal 178

Lime smoothing plaster

Storage

Shelf life	min. 12 months
Storage conditions	In the original unopened packaging, dry and protected from moisture.

Application

Surface preparation

- Remove dirt, dust and loose particles and substances that could impair adhesion. If necessary, use high-pressure water cleaning or wet sandblasting.
- The substrate evenness must comply with the allowed tolerances (variations) defined by the national standards and/or guidelines (e.g. deviations from DIN 1053 "Masonries" or DIN 18 202 "Tolerances in building construction"). If necessary, take the appropriate remedial measures to level the substrate. If in doubt, request technical advice.
- It is important to allow at least 1 day/mm for freshly applied plasters to set.

Application

Manual application:

Thoroughly mix the contents of the bag with the specified amount of water to achieve a consistency suitable for application. For better mixing, we recommend using a suitable mixing device.

- Apply approximately 0.5 mm of the material and spread it evenly across the surface.
- Then, apply the plaster "wet-in-wet" to reach a total thickness of 1-2 mm, and smooth it after an appropriate setting time.
- For a refined surface design, the finish can be polished with an additional water pass.

General notes

Do not add any foreign substances when mixing or applying the product.

During application and drying, the temperature of the air, the render mortar, the materials used and the surface must not fall below +5 °C.

Protect freshly applied render surfaces from rain to prevent efflorescence and ensure an optimal hardening process by protecting against too rapid evaporation of water.

Comply with the application and execution DIN 18 350 VOB, Part C and DIN 18 550.

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

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

weber.cal 178 is subject to regular quality control through self-monitoring in accordance with DIN EN 998-1.

Packaging units

Type	Unit	PU
sack	25 kilogram	42 sacks / palett

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: Willstätterstr. 60 | 40549 Düsseldorf
Contact: export.de.weber@saint-gobain.com | www.de.weber
Commercial register: AG Düsseldorf HRB 65250 | VAT no.: DE 122392875