

weber.cal 172

Lime render

Natural mineral lime render for the production of an inlay render or undercoat render for interior and exterior use



Product profile

- Lime render for the preservation of historical monuments
- Suitable as a base coat for all mineral and organic final coats
- Indoor and outdoor use

Product advantages

- Purely mineral
- Leichte Verarbeitung
- Feine Oberflächenstruktur

Product description

weber.cal 172 is a factory-produced, mineral dry mortar according to DIN EN 998-1.

Fields of application

weber.cal 172 is used indoors and outdoors, on new and old render bases to produce a single coat render or base coat. All mineral final coats, solvent-free paints from Weber and tiles can be applied to **weber.cal 172**.

Product features

- can be applied by machine and by hand
- is highly permeable to water vapour
- is mould-inhibiting
- is moisture-regulating

Consumption / yield

at 15 mm thickness	ca. 20,0 kg/m ²	ca. 1,5 m ² /30 kg
Fresh mortar output	ca. 750 l/to	

Technical values

Grain sizes	approx. 1 mm
Layer thickness	10 - 20 mm
Solid mortar density	approx. 1,300 kg/m ³
Water vapour diffusion resistance [μ]	≤ 25
Dynamic modulus of elasticity	$< 3,000$ N/mm ²
Thermal conductivity λ	≤ 1 W/mK
Class of capillary water absorption	W2
Reaction to fire[nach EN13501-1]	A1
Strength class	CS II
Mortar Group (DIN 18550)	PI
Base color	natural grey
Composition	Hydraulic lime, classified mineral aggregates, Expandable perlite, air-entraining agent, cellulose
Water consumption (absolute)	6.5 l/30 kg
water permeability rate w (DIN EN 1062-3)	< 0.5 kg/m ² ·vh

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Storage

Shelf life	min. 12 months
Storage conditions	Store dry and protected from moisture in the unopened original container

Application

Surface preparation

- The surface must be load-bearing, dry and free from dust and adhesion-reducing substances.
- Dry or highly absorbent surfaces must be pre-wetted and, if necessary, pre-sprayed with normal-setting stipple coat **weber.san 160 WTA** or cement stipple coat **weber.dur 100**.
- Dense surfaces (e.g. concrete) require pre-treatment with the mineral bonding mortar **weber.dur 101** as a grooved levelling compound.
- Observe service life after render base pre-treatment.
- In the case of unsuitable render substrates (e.g. deviations from DIN 1053 "Masonries" and DIN 18202 "Tolerances in building construction"), concerns must be raised and remedial action taken.

Application

by machine: The mortar can be applied with all standard plastering machines (see equipment planner).

by hand: Mix the contents of a bag thoroughly with the specified amount of water to achieve a consistency suitable for processing.

- Apply the mortar to the specified thickness (approx. 10-20 mm).
- Remove the freshly applied render mortar in a lath-straight and nest-free manner.
- In the case of highly absorbent and/or differently absorbent surfaces, two coats must be applied wet-on-wet. The application thickness of the first coat should be 2/3 of the total render thickness.
- Roughen the surface of the base coat to match the intended final coat. For fine scratch plaster, for example, use a street broom or serrated decorative trowel after first tightening.
- For interior and exterior inlay renders: apply 3-4 mm the next day and rub or felt the surface after setting.

General notes

Health and environmental protection is always our top priority. Therefore, please observe the following instructions: Avoid eye and skin contact by wearing suitable protective clothing (safety goggles and gloves). Wear long trousers. If contact with eyes or skin nevertheless occurs, rinse thoroughly with water immediately and consult an (eye) doctor if necessary. The longer fresh render remains on your skin, the greater the danger of serious skin damage. Ensure thorough ventilation during and after application and drying. Avoid eating, drinking and smoking while you are applying the product. Keep out of reach of children and keep children away from fresh render. Use combination filter A2/P2 for spray mist.

Do not pour the product or its residues into bodies of water, drains or onto the ground. Only dispose of completely empty containers for recycling. Clean tools immediately after use with soap and water. Material residues can be mixed with water and disposed of as construction site waste after hardening.

Always follow the manufacturer's health and safety instructions during the application phase.

Do not mix with other substances during mixing and application.

The air temperature, the used materials and the surface must not fall below +5 °C during application and drying.

Fresh plastered surfaces must be protected from direct sunlight, strong wind or moisture.

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

Consumption figures refer to the minimum layer thickness and may vary depending on the surface and application. Exact consumption values must be determined by testing areas on the object.

Adjacent components must be separated from the plaster system.

Remove the sintered layer before applying further layers.

weber.cal 172 is subject to continuous quality control through self-monitoring in accordance with DIN EN 998-1.

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Special notes

weber.cal 172 is suitable indoors as a laying base for tiles with a total weight of thin layer masonry mortar and tiles of 35 kg/m².

Packaging units

Type	Unit	PU
sack	30 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.

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