

weber.dur 100

Cement stipple coat

Mineral dry mortar for render base preparation

Fields of application

As mineral dry mortar for use as bondcoat of **Weber** underlay renders on masonries with a compressive strength class $> 6 \text{ N/mm}^2$, wood wool lightweight panels and other substrates.
For use outdoors and indoors.

Description

weber.dur 100 is a factory-mixed, mineral dry mortar according to EN 998-1.

Composition

Cement, graded mineral aggregates, additives for better workability and adhesion to substrate

Main features

- offers a rough surface and hence a good mechanical key for post-applied render layer thanks to the coarse-grained aggregates
- equalizes the porosity of the substrate
- for mechanical and manual application
- for use as bondcoat on absorbent substrates
- for use outdoors and indoors

Technical values

Compressive strength (28 days):	$\geq 10 \text{ N/mm}^2$ (strength class IV - EN 998-1)
Flexural strength (28 days):	$\geq 4 \text{ N/mm}^2$
Yield	approx. 650 liters/ton
Solid mortar density:	approx. 1.700 kg/m^3
Water vapour diffusion resistance value (μ):	≤ 25

Water absorption coefficient (w) (DIN 18550):	< 0.5 kg/m ² * √h
Class of capillary water absorption:	W 0
Mortar group (DIN 18550):	P III
Class of reaction to fire (EN 13501-1):	A 1 (non-combustible)

Quality control

weber.dur 100 is subject to a regular quality control by self-monitoring according to EN 998-1.

General notes

- Protect fresh render surfaces from direct sunlight, strong winds or moisture.
 - Comply with the national guidelines and/or standards (for ex. DIN 18550); if not issued and if necessary, request technical advice.
 - The consumption figures mentioned in this document refer to the coverage ratios of the bond-coat. 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.
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Substrate preparation

- The substrate must be load-bearing, dry, free of dust and adhesion-impairing particles and substances.
 - Remove cement laitance (hard sinter skin) with a notched large trowel.
 - Pre-wet the masonry, if necessary.
 - The substrate evenness must comply with the allowed tolerances (variations) defined by the national standards/guidelines (for ex. DIN 1053 "Brickwork" and DIN 18202 "Tolerances in Building Constructions"). If necessary, take the appropriate remedial measures for levelling the substrates; if in doubt, request technical advice.
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Working instructions

- Temperature of air, materials and substrate during application and drying: ≥ +5°C
 - Do not add any foreign substances during mixing and application.
 - Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.
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Mixing

- Mechanical application: the render can be applied with all conventional render machines (with mixing, conveying and spraying equipment). For full information request technical advice.
- Manual application: mix the bag content (30 kg) with approx. 5 liters of water until lump-free, using an electric drill and an appropriate stirrer.

Application

- Spray/apply **weber.dur 100**; it can be applied in 2 ways.
- Alternative 1: the render is applied wart-like, so that the substrate is still clearly visible (for ex. in case of low-porosity substrates, like concrete blocks, highly-fired bricks and quarry stones).
- Alternative 2: the render is applied full-coverage, so that the substrate is no longer visible.
- In case of manual application, the product is applied in the thrown-on technique, using a triangular hawk trowel.
- After initial setting roughen with a hard broom.
- Respect the drying time of **weber.dur 100** (1 day per mm thickness) prior to next applications.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

Practical information

Grain size:
approx. 3 mm

Colour:
natural grey

Water demand:
approx. 5 liters / 30 kg

Tools:
Render machine or electric drill + stirrer, triangular hawk trowel, hard broom

Storage:
The product can be stored at least 12 months in its original unopened packaging, if kept dry and protected from moisture.

Technical Data Sheet



Consumption / yield

full-coverage:	approx. 8.0 kg/m ²	approx. 3.8 m ² / 30 kg
coverage of 50%:	approx. 4.0 kg/m ²	approx. 1.9 kg/m ² / 30 kg

Packagings

Type	Sales unit	Number / euro-pallet
Paper bag	30 kg	42 bags

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.