Technical data sheet

weber.dur 110

Lime-cement render

Impact-resistant mineral lime-cement render as a base coat or base coat and top coat

Product profile

— for new and old rendering substrates
— for mechanical and manual application
— for indoor and outdoor use

Product advantages

— resistant to impact
— open to water vapour diffusion
— easy application

Product description

weber.dur 110 is a factory-mixed, mineral dry mortar according to DIN EN 998-1.

Fields of application

weber.dur 110 is used both indoor and outdoor use on masonries in accordance with DIN 1053. As a mineral base coat, compatible with all **Weber** mineral and organic overlay renders (finish top coats) and all **Weber** paints**.** Furthermore, as an interior base coat render under ceramic wall tiles and slabs.

Product features

— water-repellent
— open to water vapour diffusion
— highly impact-resistant

Consumption / yield

at 15 mm thickness	approx. 19.0 kg/m²	approx. 1.6 m²/30 kg
Fresh mortar yield	approx. 750 l/tonne	

Technical values

Grain sizes	approx. 1 mm
Layer thickness	10 - 20 mm
Water demand	approx. 8 l/30 kg
Flexural strength (28 days)	≥ 1 N/mm²
Solid mortar density	approx. 1,400 kg/m³
Water vapour diffusion resistance [μ]	≤ 25
Class of capillary water absorption	W2
Reaction to fire [EN13501-1]	A1
Strength class	CS II
Mortar group (DIN 18550)	PII
Base color	natural grey
Application tool	render machine, smoothing trowel, notched trowel, broom, stainless steel plaster rabot (Rabo-Speed), sponge float
Composition	cement, white hydrated lime, graded mineral aggregates, additives for better workability and adhesion to substrate
Water permeability rate w (DIN EN 1062-3)	≤ 0.5 kg/m²·√h

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Storage

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

Application

Surface preparation

— The substrate must be load-bearing, clean, dry, free of dust, and all adhesion-impairing particles and substances.
— Low-porosity substrates: apply the cement stipple coat (bondcoat) **weber.dur 100** with a surface coverage of 50%, using the throw-on technique with a triangular hawk trowel, at a rate of approx. 4 kg/m^2; after initial setting roughen with a hard broom.
— Low-grip and non-absorbent substrates: apply the mineral bonding layer **weber.dur 101** in approx. 5 mm thickness at a rate of approx. 5 kg/m^2 and comb horizontally with a notched trowel.
— Observe the drying time of the pre-said products (1 day per mm) before the next applications.
— The substrate table must be observed for special building materials.
— The evenness of the substrate 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.
— For the flush and vertical alignment of connections and terminations, fix the render profiles using the profile bonding and installation mortar **weber.mix 125.**

Application

Mechanical application:
The render can be applied with all conventional render machines.
Manual application:
Thoroughly mix the contents of the bag with the specified amount of water to achieve a consistency suitable for application.

— Apply the mortar to the specified thickness (approx. 15 mm).
— Level the freshly applied render mortar using a straightedge to ensure it is plumb and free of voids.
— Finish the surface of the base coat according to the intended further coating.
— As an inlay render for interior and exterior use: Apply 3-4 mm the next day and, after initial setting, rub down or sponge-float the surface.

General notes

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

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

Freshly applied coating surfaces must be protected from direct sunlight, strong wind, and moisture exposure during the curing phase.

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.

Remove the sintered layer before applying further layers.

weber.dur 110 is subject to regular quality control through self-monitoring in accordance with DIN EN 998-1.

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Special notes

The product is suitable indoors as a laying base for tiles and slabs with a total weight of thin layer masonry mortar and tiles of 35 kg/m².

The mortar is not suitable for heat-insulating masonries.

Packaging units

Type	Unit	PU
sack	30 kilogram	42 sacks / palett
silo		

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