

## weber.star 295

Lime-cement render / plaster, high-bonding strength

### Mineral render/plaster with high bonding strength and smooth texture

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#### Fields of application

As overlay render (top coat) for indoors and outdoors on **weber.dur** underlay renders (base coat).  
Also as finish top coat on the **weber.therm** Etics (external thermal insulation composite systems) on the socket parts of facades  
Furthermore as one-layer render on concrete.  
For use indoors and outdoors.

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#### Description

**weber.star 295** is a factory-mixed mineral render mortar according to EN 998-1. Its final appearance is a smooth texture.

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#### Composition

Cement, white lime hydrate, graded mineral aggregates, hydrophobing agents, additives for better workability and adhesion to base coat (underlayer render).

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#### Main features

- resistant surface
- very good adhesion to base coat
- water-repellent
- permeable to water vapour
- smooth texture
- also for use on concrete and on socket parts of facades
- for mechanical and manual application
- for use indoors and outdoors

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## Technical values

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Application thickness:	3 mm - 5 mm
Grain size:	approx. 1.0 mm
Coefficient of water absorption (w) (DIN 18 550):	$< 0.5 \text{ kg/m}^2 \cdot \sqrt{h}$
Water vapour diffusion resistance value ( $\mu$ ) (EN 998-1):	$\leq 20$
Equivalent air-layer thickness for water vapour permeability ( $s_d$ ) (EN ISO 7738-2):	$< 0.1 \text{ m}$
Class of capillary water absorption (EN 998-1):	W 2
Compressive strength:	$> 2.5 \text{ N/mm}^2$ (strength class II - EN 998-1)
Mortar group (EN 998-1):	P II
Class of reaction to fire (EN 13501-1)	A 1 (non-combustible)

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## Quality control

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**weber.star 295** is subject to a regular quality control by self-monitoring according to EN 998-1.

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## General notes

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- Protect fresh render surfaces from direct sunlight, strong winds or moisture.
  - Comply with the national standards and/or guidelines (for ex. DIN 18550); if not issued and if necessary, request technical advice.
  - 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.
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## Special notes

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- After drying the render colour might vary due to natural deviations of raw materials, render texture 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.
  - If possible, order the whole material for the job site at the same time. Packagings with different batch numbers must be mixed together.
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- 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 algae and fungi.

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## Substrate preparation

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- The substrate must be load-bearing, dry and free of dust, and all adhesion-diminishing substances.
- Rule level the base coat (underlay render); leave it slightly rough (do not trowel smooth).
- Pre-wet the substrate in due time in accordance with climatic conditions (best practice one day before).
- When used on concrete, apply the mineral bonding layer **weber.dur 101**, using a notched trowel; the pattern of the bondcoat is as follows: webs approx. 5 mm and valleys approx. 2 mm.
- Respect the drying time of the underlay render.
- The substrate preparation must be adapted to the specific job site conditions.

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## Working instructions

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- Temperature of air, materials and substrate during application and drying:  $\geq +5^{\circ}\text{C}$
- Do not add any foreign substances during mixing and application.

## Mixing

- Mechanical application: the render can be applied with all conventional render machines. For full information request technical advice.
- Manual application: mix the bag content (30 kg) with approx. 6.5 liters of water until lump-free, using an electric drill and an appropriate stirrer.

## Application

- Apply **weber.star 295** in a thickness of 3 mm - 5 mm.
- Spray/apply the render onto the prepared substrate in vertical motions from top to bottom in scaffold layers and strike off with a stainless steel smoothing trowel.
- Rule level with a notched aluminium lath (plasterer's darby) to remove trapped air bubbles.
- After initial setting smooth with a sponge float; if a finer finish is requested, go over with a wooden float or a finer sponge float.

- 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-in-wet" and do not smooth already stiffened render surfaces.
- Do not first finish a scaffolding layer and then go down one store lower before carrying on the rendering works. The render must be applied "wet-in-wet" in the transition area at the lower scaffolding level.
- Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.

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## Practical information

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Grain size:  
approx. 1 mm

Colour:  
natural grey

Application thickness:  
3 mm - 5 mm

Water demand:  
approx. 6.5 liters/ 30 kg

Tools:  
Render machine or electric drill + stirrer, stainless steel smoothing trowel, notched aluminium lath (plasterer's darby), sponge float, wooden float.

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

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## Consumption / yield

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5 mm thickness	approx. 7.0 kg/m <sup>2</sup>	approx. 4.3 m <sup>2</sup> / 30 kg
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## Packagings

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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.*