

weber.san 952

Damp-proof basecoat render

Highly vapour-permeable, multi-air-entrained damp-proof render as basecoat underlay render and levelling render with high salt-storage capacity for renovation of old buildings or of salt-loaded and damp masonries

Fields of application

As highly porous and vapour-permeable masonry repair damp-proof render. Particularly dedicated for use in case of high salt content. Due to its porous structure it is able to take up damaging salt crystals and hence it can lead to a good drying of the damp masonry. Suitable on the internal side of damp and salt-contaminated of basement walls below ground level and on external side of masonries above ground level (splash water areas/facade socket areas), damaged by ground damp and salts. To be overcoated with a damp-proof render like **weber.san 953, 954** or **958**. For use indoors and outdoors.

Description

weber.san 952 is a hydraulically-setting and factory-mixed dry mortar according to EN 998-1. It is compliant with the WTA leaflet 2-9 (WTA = International Association for Science and Technology of Building Maintenance and Monuments Preservation). With WTA test certificate (Germany).

Composition

Cement, sand, lightweight aggregates, regulating additives

Main features

- high salt-storage capacity, thanks to its high air content
- highly open to water vapour diffusion
- resistant to frost and weathering
- low capillary water absorption
- easy application
- for mechanical and manual application
- for use indoors and outdoors

Technical values

Application thickness:	single layer: 1 - 2 cm
Application temperature (air and substrate):	+5°C - +30°C
Pot life:	approx. 2 hours at +20°C
Consistency	plastic (trowel-grade)
Delay for over-working (with next products):	approx. 3 days
Powder bulk density:	approx. 1.2 kg/dm ³
Solid mortar density:	approx. 1.3 kg/dm ³
Air void content of fresh mortar	approx. 30% by volume
Air void content of solid mortar:	approx. 45% by volume
Flexural strength (7 days):	2 N/mm ²
Compressive strength (28 days):	4 N/mm ² (strength class CS II – EN 998-1)
Water vapour diffusion resistance coefficient (μ):	≤ 25
Water absorption:	≥ 1.0 kg/m ² after 24 hours
Pull-off strength:	≥ 0.08 N/mm ² ^(fracture pattern A, B, C)
Thermal conductivity (EN1745):	≤ 0.39 W/m.K (tabulated 50%)
Class of reaction to fire (EN 998-1):	A 1 (non-combustible)

Quality control

weber.san 952 is subject to a regular quality control by external monitoring and self-monitoring.

General notes

- All characteristics mentioned in this data sheet are given for a temperature of +23°C, without draft and a relative rate of humidity of 50%.
- The relative air humidity rate should be max. 60 % and the air and substrate temperature > +5°C to ensure proper setting.
- Observe the general rendering application rules.
- The product is not allowed to come into contact with gypsum or gypsum-containing building materials.
- A complete drying out of the masonry can only be achieved by additional measures, like the installation of a horizontal damp-proof barrier with the silicone micro-emulsion-based injection liquid **weber.tec 940 E** or the silane-based injection cream **weber.tec 946** and/or the installation of a vertical waterproofing on exterior side of basement walls, for ex. the 2-comp. lightweight bitumen waterproofing thick coating **weber.tec Superflex 10**, etc.

Special notes

- Do not add foreign products during mixing and application.
- For application comply with the national standards and/or guidelines relating to works with damp-proofing of masonries (for ex. WTA leaflets 2-9 “Masonry Repair Damp-Proof Systems” and 4-6 “Subsequent Damp-Proofing of Ground-contacting Structures”). If not issued and if necessary, request technical advice.

Substrate preparation

- Remove old renders and paints down to the load-bearing substrate.
- Replace or supplement damaged masonries.
- Scrape brittle masonry joints to a depth of approx. 2 cm and clean the whole surface by mechanical means.
- Extend the substrate preparation at least 0.8 m beyond the limit of moisture damages; for tailing inner walls or vault ceilings prepare the substrate on at least 1 meter, measured from the exterior wall.
- Damp masonries must have dried sufficiently.
- Apply the quick-setting stipple/bondcoat **weber.san 951 S** net-like with a surface coverage of 50% on the prepared masonry; respect a drying time of 30 minutes (absorbent substrates) or 45 minutes (non-absorbent substrates) prior to application of **weber.san 952**.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- Mechanical application: use forced-action mixer and mix for approx. 3 - 4 minutes.
- Manual application: mix the bag content (25 kg) with approx. 6 - 7 liters of water for approx. 3 minutes until lump-free, using an electric drill and the stirrer **weber.sys Rührpaddel no. 4**.

Application

- Mechanical application: the render can be applied with all conventional mixing pumps. For full information request our technical advice.
- Manual application: the render is thrown-on with a triangular hawk trowel or applied with a flat trowel on the dry stipple/bondcoat.
- Apply **weber.san 952** in one layer with a thickness of 10 mm - 20 mm.

- Without delay smoothen the render with flat trowel and rake horizontally with a tiler trowel (notch 6 – 8 mm) or the flat trowel **weber.sys Aufstreichkelle**, equipped with the 5-mm triangular notch blade Zahnleiste no. 2.
- Respect a drying time of approx. 3 days and ensure moderate drying conditions.
- Afterwards apply the overlay damp-proof render **weber.san 953** (normal-setting, grey), **954** (normal-setting, white) or **958** (quick-setting, white).

Practical information

Colours:

grey

Application thickness:

10 mm - 20 mm

Tools:

Mixing pump, electric drill + stirrer weber sys Rührpaddel no. 4, triangular hawk trowel, flat trowel, tiler trowel (notch 6 - 8 mm) or flat trowel **weber.sys Aufstreichkelle** + 5-mm triangular notch blade Zahnleiste no. 2.

Water demand:

6.0 - 7.0 liters / 25 kg

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry.

Consumption / yield

per cm layer thickness: approx. 11.5 kg/m²

Packagings

Type	Sales unit	Number / euro-pallet
Paper bag	25 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.