

Technical data sheet



Uses

- waterproofing of ground-contacting and other structures
- internal waterproofing of drinking water tanks

Advantages

- waterproof against pressure water
- can also be used against negative water pressure
- quickly able to withstand water load
- suitable to potable water
- sulphate- resistant
- shrinkage- free
- blendable with sand



One-component cement-based waterproofing slurry

Fields of application

weber.tec 930 is used for achieving mineral waterproofing of structural components in the ground-contacting areas (below ground

level), water tanks, drinking water tanks, and other structural components (upper ground level).

It is suitable to protect building structures against ground moisture and also positive water pressure up to 1.5 bar.

Internal waterproofing of basements walls and floors resisting to negative water pressure can be done with **weber.tec 930**.

Description

weber.tec 930 is a factory-mixed cement-based mineral waterproofing slurry. With official test certificates and approval. It conforms with the DVGW 347 "Recommendations for Waterproofing Systems in contact with Potable Water" and DIN 4030 to resist aggressive water.

Composition

Cement, fillers, additives

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Register court: AG Düsseldorf HRB 65250 .VAT-No.: DE 122 39 2875

Supervisory Board: Hartmut Fischer .Management Board: Florent Pouzet (chairman), Roman Lackner

Main features

- waterproof against pressure water
- can also be used in case of negative water pressure
- particularly resistant to chemical, mechanical and aggressive effects
- resistant to sulphate-containing water up to the "highly corrosive" level in accordance with DIN 4030
- suitable for long-term contact with drinking water
- no efflorescence and no harmful influences on concrete and masonry
- quickly able to withstand water load

Quality control

weber.tec 930 is subject to a regular quality control.

Technical data

Consistency	powder
Bulk density	approx. 1.32 kg/dm ³
Density of the mixed mortar	approx. 2.10 kg/dm ³
Application	smoothing trowel, mason's swab
Application thickness	2 - 3 mm
Number of coats	2 - 3
Dry residue	100 %
Hardening and setting time	like cement mortar
Temperature for application	+ 5 °C to + 30 °C (air and substrate)

General notices

- All characteristics mentioned in this data sheet are based on a temperature of + 23 °C, without draught and a relative humidity of 50 %.
- The slurry should only be applied to structural elements that are crack-free and sufficiently stable.
- Concrete structures must be at least 6 months old.
- In case of positive pressure water only apply on concrete surfaces. Their immersion depth should not exceed 3 meters.
- In case of waterproofing water tanks their water head should not exceed 15 meters.
- In case of negative water pressure (max. 3 meter), a sufficient adhesion strength of the substrate is required.
- The layer thickness should not exceed 4 mm at any point.
- After application keep the waterproofing coat damp for at least 24 hours and protect from direct sunlight and freezing for an additional period of 5 days.
- Do not apply on frozen substrates or in frost conditions. Do not apply in rain.
- The waterproofing slurry can also be used as preliminary waterproofing for **weber.tec Superflex D 2**.
- When waterproofing slurry should be rendered, use bonding coat (for e.g. **weber.san 951**) on cured **weber.tec 930**.
- When waterproofing water tanks containing very soft water with a hardness level $\leq 3^\circ$ dH (German hardness), corrosion on the cementitious waterproofing slurry should be anticipated. For service water tanks (e.g. sprinkler stations) we recommend our flexible 2-comp. waterproofing slurry **weber.tec Superflex D 2**.
- **weber.tec 930** resists aggressive ground water (sulphate) according to DIN 4030. In case of doubt, ask for specific advice.

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- Avoid any direct contact with non-ferrous metals, for ex. aluminium, zinc or copper, and apply a full-cover anti-corrosion paint.
- Comply with the national standards or guidelines. If not issued and if necessary, refer to the (German) WTA guideline "Retrospective waterproofing of ground-contacting structural components", 4-6-05/D.; 2nd issue, March 2005, and the "Guideline for Planning and Execution of Waterproofing of Structural Components with Mineral Waterproofing Slurries"^{1st} version, May 2002.

Specific notices

- **weber.tec 930** can be mixed with **weber.ad 785** to improve the fresh and dry mortar properties. Mixing ratio is 1: 25 by weight (= 1 kg of **weber.ad 785** to 25 kg of **weber.tec 930**). The amount of gauging water amounts 3.0 – 3.5 liters per 25 kg bag.
- **weber.tec 930** can be blended with dry silica sand (mixing ratio 1 : 2.5 by weight or 10 kg of sand per 25 kg bag) to use as repair and patching mortar. In this case **weber.tec 930** (unblended) can be used as bonding coat.

Preparation of substrates

- The substrate must be sufficiently load-bearing, absorbent, clean, solid, stable, frost-free, and free from oil and grease.
- Loose or flaking mortar and paint residues must be carefully removed.
- An open capillary system must be given.
- Sharp edges must be broken and be-levelled.
- Fillets between basement wall and concrete slab and between walls must be rounded beforehand with the watertight mortar **weber.tec 933** in a radius of approx. 5 cm.
- Pre-wet the substrates until it is dull-moist. Avoid puddle formation.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Mixing

- Pour the powder into water (not vice versa). Mix with the specified amount of water for at least 4 minutes until lump-free. Use an electric drill with the stirrer **weber.sys Rührpaddel no. 2**. After a 3 to 5 minute maturing period, mix again.
- If **weber.ad 785** is used, mix with 3 – 3.5 liters water and proceed as described above.
- Do not add water subsequently.
- Do not mix more material than it can be applied within 60 minutes.
- When blended with sand, add sand after mixing.

Application

- Apply the waterproofing in at least two coats. For pressure water and water tanks, as well as for negative water pressure in 3 coats, each full-coverage at approx. 2 kg application pro m² and per coat. The delay between each application is approx. 1 hour.
- For application with the flat (smoothing) trowel the first coat must be applied by brush beforehand. Then, after setting of the first coat, the application is executed to maximal layer thickness. The surface must be smoothed by brush or sponge while setting.
- The final waterproofing coat must have the required dry layer thickness in accordance with the existing water load.
- Only apply protective coats, boards, tiles, gypsum-free mortars after the waterproofing has sufficiently hardened.
- Weber.tec 930 can be applied by spray machine. We recommend screw pumps or peristalsis pumps.
- When used as patching mortar, use freshly mixed **weber.tec 930** (with or without **weber.ad 785**) as bonding coat and apply mortar fresh-in-fresh. Do not exceed layer thickness of 25 mm in one hand.

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Consumption

For ground moisture:	approx. 4.0 kg/m ²
For non-pressure water:	approx. 5.0 kg/m ²
For positive and negative pressure water:	approx. 6.0 kg/m ²

Practical information

Color	grey
Tools	electric drill, stirrer weber.sys Rührpaddel No. 2 , smoothing trowel, brush, spray machine
Water dosage	4.0 – 4.75 liters per 25 kg bag
Drying time	approx. 3 days
Storage	the product can be stored min. 12 months in its original unopened packaging, if kept dry.

Packaging**Sales unit****Number per wrapped euro-pallet**

Paper bag	25 kg	42 bags
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Legal notes

The correct and hence successful application of our products is not within our control. A guarantee can therefore only be accepted for the quality of our products within the framework of our sale and supply conditions but not for their successful use. Observe the safety precautions for protection of health and prevention of accidents given in the safety data sheet and on the label of the packaging.

This data sheet supersedes all earlier technical data on this product. Information supplied by our employees and/or distributors going beyond the scope of this data sheet must be confirmed in writing.

We reserve the right to make changes representing technical progress.

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