

weber.dry 510

Cement based, crystallized waterproofing slurry

■ Description

Cement based, one component, crystallized waterproofing slurry, resistant to positive and negative water pressure and transferable to capillary gaps of cement based substrates.

■ Advantages

- Resistance to positive and negative water pressure.
- Transferable to capillary gaps of cement based substrates.
- Compatible with drinking water.
- Easy and convenient application.

■ Range of application

- Used as waterproofing material in interior and exterior of all structures, particularly on foundations and basement walls, drinking water tanks and swimming pools.

■ Application substrates

- Cement based renders and screeds,
- Concrete,
- Please consult us for other application substrates.

■ Performance

- Color: Gray
- Density after mixing: approx. 1,80 kg/dm³
- Capillary water absorption: < 0,10 gr (4 hours later)
- Water transmission rate: $0,1 < W_{24} < 0,5 \text{ kg/m}^2\text{h}^{0,5}$
- Water vapor permeability, Sd: < 0,14

■ Reference standards

- TSEK
- Contact with drinking water was certified by University of Hacettepe, Turkish Doping Control Center and Chemical Analysis Laboratory according to BS 6920 standard
- Public works Pos No: 04.477/2

■ Application properties

- Application thickness: 2-3 mm
- Applicable coats: 2-3 coats
- Pot life: 40 minutes
- Time between the coats: 5 hours
- Time to wait for application of topcoat on **weber.dry 510**: min 7 days
- Time for filling with earth: min 7 days
- Time for filling water tanks: min 7 days under positive pressure
min 14 days under negative pressure

■ Conditions of application

- Ambient temperature: between +5 °C and +30 °C
- Avoid application in very damp and/or hot weather.
- It should not be used on substrates which are frozen or melting or have the risk of frost or rain within 24 hours.

■ Preparation of substrates

- Substrates should be clean, damp, smooth, and sound.
- Dust, lime, paint residues, form oil etc. on substrate should be cleaned up with wire brush.
- The major deformations and holes on substrate should be repaired with **weber.rep MA 200** minimum 24 hours before the application of **weber.dry 510** and where situation requires sulfate resistance or fast application, substrates should be repaired with **weber.rep HKS**.
- In order to ensure continuity of waterproofing, vertical and horizontal edges should be beveled with **weber.rep MA 200** and where situation requires sulfate resistance and fast application, it should be beveled with **weber.rep HKS**.
- Highly porous substrates such as concrete and cement based render should be wetted with clean water and it should be waited until the water layer disappears, but the substrate remains damp.

■ Application

- For each coat, 7-8,5 lt clean water should be added to 25 kg **weber.dry 510** and mixed with a low-speed mixer for 2 to 3 minutes until it reaches a homogenous state.
- **weber.dry 510** should be applied to the entire substrate with a brush or a trowel at least in two coats. Application of each coat should be vertically performed to the previous coat.
- It should be waited for min 5 hours between the coats.
- In case the following coat application is performed 12 hours after the application of the previous coat or later, the substrate should be damped again prior to the application.
- Drinking water tanks should be disinfected with 5 % sodium hypochlorite solution min 7 days after the application, washed with drinking water and then, filled with water. This process should be repeated min once a year.

■ Attention points

- No foreign object should ever be added.
- Dilatation joints on application substrates should not be covered with **weber.dry 510**, the continuity of the waterproofing at these points should be ensured with **Superflex B 240 / Superflex B 400** waterproofing tapes.

- **weber.dry 510** applied substrates should be kept moist and protected from direct sunlight, air circulation and frost for 5 days.
- A protective coat such as tile should be applied on **weber.dry 510** on the substrates that might be subject to mechanical impacts.
- **weber.dry 510** should not be left uncovered on the substrates open to circulation; it should be protected with screed, tiling or industrial flooring.
- In the applications to be performed in swimming pools and water tanks, the concrete should have been casted min 6 months ago.
- All tools used for application should be cleaned up with water before they dry.

■ Limits of application

- Not applicable on wooden, chipboard, plywood and metal substrates.
- Not applicable directly on brick, gas concrete and weak plastered substrates.
- Not applicable for waterproofing on terrace and roof.
- Not applicable for waterproofing of façades.
- Not applicable for water tanks with depth over 8 m and on the foundations subject to ground water deeper than 8 m.

■ Consumption

2,5-3 kg/m² for the thickness of 2 mm.

■ Packaging

Net 25 kg craft bag.

■ Application tools

Hand mixer, brush, trowel.

■ Shelf life

6 months from the production date in dry and moisture-free ambient.

Package should be kept tightly closed when not in use.

> The stated times apply for 20 °C substrate and ambient temperature and increase at lower temperatures and decrease at high temperatures.

> **Saint-Gobain Weber Yapı Kim. San. ve Tic. A.Ş.** is not responsible for the application errors arising from use of product beyond its intended purpose or failure to comply with the foregoing application conditions and advice on the product.



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Weber products are produced at ISO 9001:2008 Quality Management System Certified production facilities.

