

weber.dry 2K CRS

Cement based, dual component, crystallized waterproofing slurry

Technical Data Sheet

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■ Description

Polymer emulsion modified, cement based, dual component, crystallized waterproofing slurry resistant to negative and positive water pressure, sulphate, chlorine and chemicals.

■ Reference standards

TSE 1504-2:Nisan 2008

Ege University BS 6920-1:2000

Public Works Pos. No: 04.379/102

■ Advantages

- Resistant to negative and positive water pressure
- Transferrable to capillary gaps of cement based substrates
- Suitable for drinking water
- Easy and comfortable application

■ Application areas

Used as waterproofing material against leakages on interiors and exteriors of all structures particularly on water tanks, brine pools, foundations, curtain and basement walls, balconies, bathrooms, kitchens, toilets and private swimming pools.



■ Application substrates

Interior and exteriors;

- Cement based renders and screeds,
- Concrete,

Please consult us for all other application substrates.

■ Preparation of substrates

- The substrate should be clean, damp, smooth and sound.
- Dust, lime, paint residues, mould oils, etc. should be cleaned from application substrate using wire brush.
- Major deformations and holes on the substrate should be repaired at least 24 hours before **weber.dry 2K CRS** application using **weber.rep MA 200**; where quick application or sulphate resistance is needed, **weber.rep HKS** should be used instead.
- Vertical and horizontal edges should be beveled to ensure continuity of waterproofing layer using **weber.rep MA 200**; where quick application or sulphate resistance is needed, **weber.rep HKS** should be used instead.
- Porous substrates like concrete, cement based renders should be wetted with clean water and waited until the water layer disappears and leaves a damp substrate.

■ Application conditions

- Ambient temperature between +5°C and +35°C.
- Avoid application in extremely hot and/or damp weathers.
- Should not be used on frozen or melting substrates, or substrates with the risk of rain or frost within 24 hours.

■ Application

- 2 kg of **weber.dry 2K CRS** liquid component should be added to 5.5-6.0 kg of mixing water and mixed with 25 kg of **weber.dry 2K CRS** powder component using a low-speed mixer to a homogenous consistency for 2-3 minutes in a clean container.
- **weber.dry 2K CRS** is applied on the entire substrate at least in 2 coats using brush or trowel. Application of each coat should be perpendicular to the previous one.
- Wait at least 6 hours between coats.
- If previous coat application is made 12 hours or before the following coat, the substrate should be dampened again before the application.
- Drinking water tanks should be disinfected with hypochloride solution at least 7 days after the application, washed using drinking water and then filled. This process should be repeated once a year.

■ Application tools

Hand mixer, brush, roller, trowel

■ Consumption

3 kg/m² (for 2 mm application thickness)

Points of attention

- Not applicable on wood, chipboard, plywood and metal substrates.
- Not applicable directly on brick, aerated concrete and weak plastered substrates.
- Do not ever add any foreign materials.
- Dilatation joints on application substrates should not be covered with **weber.dry 2K CRS**; **weber superflex dilatation tapes** should be used instead to ensure the continuity of waterproofing.
- **weber.dry 2K CRS** applied substrates should be protected against direct sunlight, air circulations and frost for 3 days. The substrate should be dampened if necessary.
- A protective coat like tiling should be applied on **weber.dry 2K CRS** where substrates may subject to mechanical impacts.
- **weber.dry 2K CRS** should not be left uncovered on substrates open to circulation; should be protected with screed, tiling, rendering or industrial flooring applications.
- All tools used during the application should be cleaned with water right after use before drying.

Technical specifications

PRODUCT	weber.dry 2K CRS
Product structure	Cement based
Colour	Grey
Mortar density	1.69±0.1 g/cm ³
Mixing ratio	25 : 2 : 5.5 (weber.dry 2K CRS powder : weber.dry 2K CRS liquid : water)
Application thickness	2-3 mm
Number of applicable layers	2-3 layers
Pot-life	45 minutes
Time required between coats	6 hours
Time required for top coat application	Min. 7 days
Time required for ground filling	Min. 7 days
Time required for filling water tanks	Min. 7 days (positive pressure) Min. 14 days (negative pressure)
PERFORMANCE	
Bonding strength	≥1 N/mm ²
Capillary water absorption	0,1 kg/m ² h ^{0.5} (EN 1062-3)
Capillary vapour absorption	SD<5 m - Sınıf I (ISO 7783/2)

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

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Chemical resistance

	7 days	28 days
Seawater	++	++
Olive oil	++	++
Lactic acid (%60)	++	-
Distilled water	++	++
Apple juice	++	+
Ethanol (%94-97)	++	++
Olive brine	+	+
Fuel oil	++	++

- ++ Resistant to the chemical referred.
- +
- Resistant to the chemical referred but colour change may occur.
-
- Not resistant to the chemical referred, deformations occur.

Storage

Packaging	27 kg set (25 kg kraft bag + 2 kg plastic can)
Colour	Grey
Shelf life	<ul style="list-style-type: none"> • 1 year from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment. • Liquid component should be protected against frost. • Packages should be kept tightly closed when not in use. • Lumped or petrified products should not be used.

Safety precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Safety Data Sheet (SDS) for further safety information.

LEGAL DISCLAIMER

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