

weber.tec Superflex D 2

Cement-based, two-component, highly flexible, fast setting waterproofing slurry

Technical Data Sheet

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■ Description

Polymer emulsion modified, cement-based, two-component, highly flexible, UV resistant, weather independently fast setting waterproofing slurry, applicable against positive and negative water pressure.

■ Advantages

- Fast setting as independent of weather conditions.
- 2nd coat can be applied 90 minutes later and application of tile and pedestrian traffic can be started 4 hours later.
- Resistance to positive and negative pressured water
- Non-shrinking and crack-free setting in wind and under sunlight.
- High substrate bonding.
- Crack bridging over 1 mm even at lower temperatures.
- Resistance to external weather conditions, frost, sulphate and UV rays.
- Can be coated with tile.

■ Range of application

- Used as waterproofing material against ground dampness, seepage water, positive and negative water pressure in interior and exterior of all structures, particularly on foundations and basement walls, terraces, water tanks, swimming pools and wet duty areas.

■ Application substrates

- Cement-based renders and screeds,
- Concrete,
- Old tile coatings (**weber.prim TG 5**).
- Please consult us for other application substrates.

■ Limits of application

- Not applicable on wooden, chipboard and plywood.
- Not applicable on metal substrates.

■ Application properties

- Time to waterproof: 3 days
- Time for tiling application on **weber.tec Superflex D 2** approx. 4 hours.
- Pot life: approx. 45 minutes
- Time between the coats: approx. 90 minutes
- Time for permanent water contact: 3 days
- Complete drying time: max. 24 hours as independent from weather conditions.

■ Performance

- Color: grey
- Density after mixing: approx. 1,05 kg/dm³
- Crack bridging: 2 mm.

■ Reference standards

- Public Works Pos. No: 04.477/2

■ Attention points

- Only its own liquid should be used for mixing and no water should ever be added.
- No foreign object should ever be added.
- Dilatation joints on application substrates should not be covered with **weber.tec Superflex D 2**, and the continuity of waterproofing at these points should be ensured with **weber Superflex dilatation waterproofing tapes**.
- In wet duty areas, the movable points and vertical and horizontal edges should be supported with **weber corner waterproofing tapes**.
- **weber.tec Superflex D 2** applied substrates should be protected from rain and frost for 4 hours.
- **weber.tec Superflex D 2** should not be left uncovered on the substrates open to circulation and mechanical impacts and it should be protected with screed, tiling or industrial flooring.
- No earth filling should be made on **weber.tec Superflex D 2** applied cellar walls before protective application is performed
- In between the application of the first and second coat of **weber.tec Superflex D 2** in swimming pools, wall to wall and wall to floor corners should be supported with alkali-resistant glass fiber mesh.
- All tools used for application should be cleaned up with water before they dry.

■ Preparation of substrates

- Substrates should be clean, damp, smooth, sound and free from adhesion diminishing residues of form oil and loose materials.
- Highly porous substrates should be primed with **weber.prim max** diluted at 1/1 ratio (**weber.prim max** /water) or without diluting.
- The major deformations and holes on substrate should be repaired with **weber.rep MA 200** minimum 24 hours before the application of **weber.tec Superflex D 2** and where situation requires sulfate resistance or quick application, substrates should be repaired with **weber.rep HKS**.
- In order to ensure the continuity of waterproofing, vertical and horizontal edges should be beveled with **weber.rep MA 200** and where situation requires sulfate resistance and quick application, it should be beveled with **weber.rep HKS**.

■ Conditions of application

- Ambient temperature: between +3 °C and +30 °C
- Avoid application in very hot weather.
- It should not be used on substrates which are frozen or melting.

■ Application

- For each coat, powder component at 1/1 ratio in weight should be added slowly to liquid component of **weber.tec Superflex D 2** and mixed with a low-speed mixer for 2-3 minutes until it reaches a homogeneous state.

- **weber.tec Superflex D 2** should be applied to the entire substrate with a brush, trowel or spray at least in two coats. Application of each coat should be vertically performed to the previous coat.
- It should be waited for min 90 minutes between the coats.
- **weber.tec Superflex D 2** dries completely with chemical reaction within max 24 hours as independent from weather conditions after application. (Even at 5 °C temperature and 95 % relative humidity).

■ Consumption

Application areas	Min. application thickness	Min. consumption
Wet duty areas and swimming pools	2 mm	Approximately 2,5 kg/m ²
Waterproofing against temporary water pressure (ground water)	2 mm	Approximately 2,5 kg/m ²
Waterproofing against permanent water pressure (under ground water)	2,5 mm	Approximately 3,1 kg/m ²
Water tanks (max water depth is 15 m)	2,5 mm	Approximately 3,1 kg/m ²

■ Packaging

Net 24 kg plastic bucket
30 kg set
(15 kg craft bag and 15 kg plastic bucket).

■ Color

Grey.

■ Application tools

Hand mixer, brush, trowel, and roller.

■ Shelf life

9 months from the production date in dry and moisture free ambient.
Package should be kept tightly closed when not in use.
The packages should be protected against frost.

- > 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.



Saint-Gobain Weber Yapı Kimyasalları San. ve Tic. A.Ş.
Kemalpaşa OSB Mah. Kuyucak Yolu Sokak No: 284 • 35730 Kemalpaşa • İzmir • Türkiye
Tel +90 (232) 397 07 00 • www.weber.com.tr • info@weber.com.tr • Çözüm hattı: 444 6 990

