

# weber.tec Superflex D 24 (Superflex D 24)

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

### ■ Description

Cement-based, two-component, highly flexible, UV resistant, weather independently fast setting, thick 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 3 hours later.
- Resistance to pressure water in a short time.
- Resistance to positive and negative pressured water.
- Non-shrinking and crack-free setting in wind and under sunlight.
- High substrate bonding.
- Crack bridging over 2 mm even at lower temperatures.
- Resistance to external weather conditions, frost 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,
- Please consult us for other application substrates.

### ■ Performance

- Color: Gray
- Density after mixing: approx. 1,05 kg/dm<sup>3</sup>
- Crack bridging: min 2 mm.

### ■ Application properties

- Time to waterproof: 24 hours for 1 bar, 3 days for 3 bars
- Time for coating on **weber.tec Superflex D 24**: approx. 3 hours (on wall).
- Pot life: approx. 45 minutes.
- Applicable coats: min 2 coats.
- Complete drying time: max. 24 hours as independent of weather conditions.

### ■ 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.

### ■ Preparation of substrates

- Substrates should be clean, smooth, sound and free from adhesion diminishing residues such as form oil and loose materials.
- Substrates should be primed with **weber.prim max** diluted in 1/10 ratio (**weber.prim max** / water).
- Inner edges should be rounded by beveling with **weber.rep MA 200**; where the situation requires quick application or sulfate resistance, it should be beveled with **weber.rep HKS** and the external edges should be rounded by trimming with mechanical methods.
- 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 24** 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**.
- To prevent the formation of air bubbles and/or to level the substrates which are highly porous, deformed or perforated, a scratch-coat application should be made with **weber.tec Superflex D 24**.

### ■ Application

- For each coat, powder component in 1/1 ratio should be added to **weber.tec Superflex D 24** liquid component and mixed with a low-speed mixer for 2 to 3 minutes until it reaches a homogenous state.
- **weber.tec Superflex D 24** should be applied to a 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.
- Alkali resistant glass-fiber mesh should be applied in edges and corners between the application of first and second coats of **weber.tec Superflex D 24** in wet duty areas. On substrates subject to temporary and permanent pressured water, alkali resistant glass-fiber mesh application should be made on the entire substrate in between the first and second coats of **weber.tec Superflex D 24** application.
- **weber.tec Superflex D 24** dries completely with chemical reaction within max 24 hours after the completion of application as independent of weather conditions (even at temperature of 5 °C and % 95 damp ambients).



## ■ 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 24**, the continuity of the waterproofing at these points should be ensured with **Superflex B 240 / Superflex B 400** waterproofing tapes.
- In wet duty areas, the movable points and vertical and horizontal edges should be supported with **Superflex 50/3** or **Superflex 75/4** waterproofing tapes.
- **weber.tec Superflex D 24** applied substrates should be protected from rain and frost for 4 hours
- **weber.tec Superflex D 24** 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 24** applied cellar walls before protective application is performed.
- In between the application of the first and second coat **weber.tec Superflex D 24** 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.

## ■ Limits of application

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

## ■ Consumption

Application areas	Min. thickness of application (dry film)	Min. consumption
Foundations subject to ground dampness and seepage water	3 mm	Approx 3,5 kg/m <sup>2</sup>
Wet duty areas subject to non-pressured water	3 mm (with glass fiber mesh on edges and corners)	Approx 3,5 kg/m <sup>2</sup>
Foundations subject to temporary and permanent pressured water	4 mm (with glass fiber mesh on the entire substrate)	Approx 4,5 kg/m <sup>2</sup>

\* Wet application thickness of 1,1 mm creates a waterproofing layer with thickness of 1 mm at the end of drying time.

## ■ Packaging

Net 20 kg plastic bucket (10 kg powder + 10 kg liquid).

## ■ Application tools

Hand mixer, brush, trowel, spray.

## ■ Shelf life

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

Package should be kept tightly closed when not in use.

Package 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.



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