



weberdry 110 FX (Egypt)

Flexible high performance cement-based waterproof coating

Waterproofing

Leb	Jordan	Egypt	UAE	Qatar	Kuwait	KSA	Oman
-	-	30kg	-	-	-	-	-

Powder (A) 20kg + 10kg liquid (B) = 30kg

PRODUCT

weberdry 110 FX is a two component polymer modified cementitious coating:

- Powder made of cements, fillers and admixtures.
- Liquid based on resins and additives.

It is available in Grey and White.

weberdry 110 FX cures to form an elastomeric, waterproof, flexible and resistant membrane, suitable for use in water tanks, reservoirs, canals and tunnels.

The material which can be applied on cement based substrate like concrete, cement plaster, masonry and gypsum board substrates has been designed to accommodate good crack bridging qualities even after long term water immersion.

weberdry 110 FX must be used on damp cement based substrates.

The adhesion and sealing qualities of **weberdry 110 FX** are outstanding. The material prevents reinforcements from corrosion.

SCOPE OF USE

Inside or outside coatings on:

- Water tanks
- Swimming pools
- Saunas and jacuzzis

- Pits and tanks of any type
- Tunnels

Waterproofing of terraces and wet areas.

Waterproofing of sludge basins in sewage.

Waterproofing of below-grade structures like basements, retaining walls, foundations, etc...

PROPERTIES

- Resists high hydrostatic positive pressures
- Long working life
- Excellent crack accommodation before and after immersion
- Excellent adhesion to sound, prepared substrates: does not require bonding agents and can be applied on wet surfaces
- Permeable to water vapor, allows the substrate to breathe
- Resistant to abrasion
- Reduces carbonation and electrochemical corrosion

CHARACTERISTICS

Powder appearance	White or grey
Mixed density at 24°C	1700±200kg/m ³
Mixing ratio	100: 50
Minimum application temperature	+5°C

Compressive strength at 28 days ASTM C109	>30N/mm ² (Mortar consistency)
Flexural strength at 28 days ASTM C348	>9N/mm ² (Mortar consistency)
Pull-off adhesion at 28 days ASTM D 7234	1.4 N/mm ²
Elongation ASTM D412	40%
Crack bridging ASTM C1305	1mm
Water absorption ASTM D 870	Resistant
Pull off Strength ASTM D 4541:2002	1±0.2MPa @28 days on well prepared concrete substrate
Curing time between coats	Approx. 5 hours depending on site and weather conditions
No evidence of fungal growth	
Water penetration	
The values obtained are for weberdry 110 FX when applied in total thickness of 1.5mm wet film thickness	
Resistance to positive water pressure (EN 12390-8)	5 bar (50m head of water)
Resistance to negative water pressure	2 bar (20m head of water) EN 12390-8

The above results are based on well monitored and stored sample in lab conditions.

APPLICABLE STANDARDS

EN 12390
ASTM D 412
ASTM C 109

INSTRUCTIONS FOR USE

PREPARATION OF THE SUBSTRATE

The substrate must be perfectly sound, clean, and free from grease, oil, dust or any friable matters.

Recommended cleaning methods are high pressure water cleaning and sandblasting.

Any damage or concrete defect should be repaired in advance. All corners should be saw-cut and filled with a non-shrink thixotropic mortar like **weberep 331 TX**.

All honeycombs or holes should be widened and filled with a non-shrink mortar like **weberep 331 TX**.

It is necessary to stop any running water prior to the application of **weberdry 110 FX**. Use a fast setting cementitious plugging mortar to seal water leaks.

PRODUCT PREPARATION

Pour half of the liquid polymer to all powder and mix well for one minute, by using a mechanical mixer.

Then add the remaining liquid part and mix for additional 1.5

to 2 minutes until lump free slurry is obtained. You may keep the mixture to rest for not less than 3 minutes before the application. The mixture can be applied by brush or trowel or roller.

PRODUCT APPLICATION

Before applying **weberdry 110 FX**, damp abundantly the substrate to be treated.

To plug pores, cracks and holes, apply **weberdry 110 FX** as base coat with sufficient thickness of 1mm minimum. (Approximate coverage 1 to 2kg/m² for 1mm wet film thickness, depending on the condition of the substrates).

Then apply the 1st layer and 2nd layer of **weberdry 110 FX**, in the proportion of 0.5 to 1kg/m² each.

Always allow to dry between each layer.

The base coat should be allowed to cure for a minimum of 5 hours at 20°C or 3 hours at 35°C. The material should not be applied at temperatures below +5°C.

All corners, cracks or construction joints should receive a minimum of 20cm wide fiberglass mesh between the 1st layer and 2nd layer, for reinforcement.

Wherever tiling on **weberdry 110 FX** is required, **webercol flex** should be used.

It is recommended that the tiling start after one week from the application of **weberdry 110 FX**. When needed, flood test on **weberdry 110 FX** can be carried out prior tiles fixing. Allow one week curing before flood test.

CLEANING

Immediately after application is completed clean all tools and equipment with clean water. Hardened material can be removed by mechanical method and by use of solvent.

CONSUMPTION

1.7±0.1kg/m²/1mm WFT.

0.5 to 0.7mm per coat (WFT) . Max. 2 to 3 coats.

STORAGE

Powder part can be stored 12 months while the liquid part can be stored up to 9 months, after manufacturing date in its original packing non open, protected from frost and heat.

SAFETY PRECAUTIONS

Avoid prolonged contact with skin. Wear protective gear for hands & eyes. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting. In both cases seek medical attention. The product is non-flammable.

DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

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