

Flexible high performance cement-based waterproof coating

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 potable water tanks, reservoirs, canals and tunnels.

The material which can be applied on cement based substrate like concrete, cement plaster, masonry and gypsum boards (with primer) 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:

- Drinking water reservoirs.
- Water tanks.
- Swimming pools.
- Saunas and jacuzzis.
- Pits and tanks of any type.
- Tunnels.

Waterproofing of terraces, balconies and wet areas.

Waterproofing of sludge basins in sewage.

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

PROPERTIES

- Approved for contact with potable water.
- 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.
- Environmentally friendly: Non-toxic and chloride-free.

CHARACTERISTICS

Powder appearance	White or grey
Mixed Density at 24°C	1600 ± 100 kg/m ³
Minimum Application Temperature	+ 5 °C



Water resistance (ASTM D 870)	Resistant
Pull off Strength (ASTM D 4541:2002)	1.8 ± 0.3 MPa @ 28 days on well prepared concrete substrate
No evidence of fungal growth	

Water penetration

The values obtained are for **weberdry 110 FX** when applied in total thickness of 1.5 mm wet film thickness

Resistance to positive water pressure (DIN 1048)	5 bar (50 m head of water)
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APPLICABLE STANDARDS

weberdry 110FX complies with BS 6920 Effect on Water Quality.

DIN 1048 Water Penetration Test.

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 350 NSG**.

It is necessary to stop any running water prior to the application of **weberdry 110 FX**. Use a fast setting cementitious plugging mortar (**weberdry 150 BLC**) 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 1 mm minimum. (Approximate coverage 1 to 2 kg/m² for 1 mm 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 1 kg/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 20 cm 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

2kg/m² to 4kg/m² depending on the nature of the support.

STORAGE

Powder part can be stored 12 months while the liquid part can be stored up to 6 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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