

ULTRAFLEX CEMENT

UFC-910-2K WB

High Performance Cementitious
Waterproofing Membrane



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08111 381 686

Ultraflex Cement UFC-910-2K WB

High Performance Cementitious Waterproofing Membrane

Ultraflex Cement is a 2-component waterproofing material made from a mixture of cement, sand, and water-based acrylic polymer. This mixture form a polymer concrete with a strong, highly flexible, and highly waterproof membrane. This polymer cement membrane can be reinforced using fiber net, creating a very strong waterproofing membrane.

Ultraflex Cement membrane is very suitable to use as waterproofing in water reservoirs and swimming pools, where the area is always immersed with water and it is also suitable for waterproofing basement walls and concrete deck used as car parks.

Advantages

- Excellent waterproofing ability
- Rigid yet flexible (crack bridging)
- Very low water absorption
- High tensile strength
- Water based, environmentally friendly and non toxic
- Easy to apply (slurry and trowelable)

Technical Data

Adhesion to Substrate	$\pm 2 \text{ N/mm}^2$	ASTM D-451
Hardness	70 - 75 Osc	ASTM D-2240
Tensile Strength	$> 1.5 \text{ N/mm}^2$	ASTM D-2370
Elongation	$> 110 \%$	ASTM D-2370
Water Absorption	$< 10 \%$	ASTM D-471
Water Pressure Test	25 r/m^2	ASTM D-1653
Crack Bridging	$< 3 \text{ mm}$	ASTM C - 1835:00

Application

Application	Roll, brush, and trowel
Specific Gravity	$1.80 \pm 0.05 \text{ gr/cc}$
Pot Life	30 - 60 minutes
Ready to use	± 3 days application
Material Requirement	2 Kg/m^2 (1000 mic DFT thickness)
Theoretical Coverage	$0.5 \text{ m}^2 / \text{kg}$ (1000 mic DFT thickness)
Drying Time	Touch dry : 2 hours Fully cured : 3 days
Packaging	15 kg-set and 30 kg-set
Shelf Life	Shelf Life 1 year for liquid and 6 months for drymix, store in a closed and dry room



Ultraflex Cement UFC-910

- Specially design for :
- Swimming pools
 - Water Tank/ Water restore point
 - Basement walls
 - Rooftop for carpark

Usage Area



Water tank

1. Concrete / Substrat
2. Ultraflex Cement UFC-910 CA 1000 gr/m² + Fiber net
3. Ultraflex Cement UFC-910 CA 1000 gr/m²
4. Multipox MX-98-2K SB Ca 400gr/m²



Swimming pool

1. Concrete / Substrat
2. Ultraflex Cement UFC-910 CA 1000 gr/m² + Fiber net
3. Ultraflex Cement UFC-910 CA 1000 gr/m²
4. Ceramic



Basement wall

1. Concrete / Substrat
2. Ultraflex Cement UFC-910 CA 1000 gr/m² + Fiber net
3. Ultraflex Cement UFC-910 CA 1000 gr/m²
4. PUAS-620-2K WB Ca 400gr/m²



Roof top for car park

1. Concrete / Substrat
2. Ultraflex Cement UFC-910 CA 1000 gr/m² + Fiber net
3. Ultraflex Cement UFC-910 CA 1000 gr/m²
4. PUAS-620-2K WB Ca 400gr/m²

