

ULTRAFLEX CEMENT UFC-910



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DESCRIPTION

ULTRAFLEX CEMENT UFC-910, is a two-component flexible cementitious waterproofing base on polymer and cementitious with superior waterproofing and adhesion to concrete and mortar. It is effective to seal the leak and prevent water seepage. This product is designed for a ready to use mixture, as an effective solution for waterproofing of wet area.

FIELDS OF APPLICATION

- Swimming pool
- Water restore point
- Basement wall
- Rooftop for carpark

FEATURES

- Environmentally friendly.
- Non-toxic.
- 2 components, easy to apply with trowel.
- Flexible and effective to seal hairline crack of concrete.
- Excellent waterproofing.
- Excellent adhesion to concrete.
- Prevent concrete carbonation, and protect against water seepage.
- Long durability.

TECHNICAL DATA

Type	: 2 component Waterproofing base on polymer and cementitious
Color	: Grey
Solid content (mix)	: 85 ± 1 %
Viscosity (mix)	: 8000 ± 500 cps
Specific gravity (mix)	: 1.645 ± 0.04 g/cc
Shelf life	: 1 year for liquid and 6 months for drymix, If stored cool and dry in original packaging (not opened)
Recommended substrate	: concrete, reinforced concrete
Recommended condition	: 25 - 35°C, 40 – 70 %RH
Mix ratio	: comp. A : B (drymix : liquid) = 2 : 1 weight
Pot life	: ±30 minutes
Application method	: roll, brush and trowel
Material consumption	: 1000 g/m ² per coat
Theoretical coverage	: ± 0.5 m ² /kg for 2 coat application
Re coating interval	: 2-3 hours for interval coat 1 & 2

SPECIFICATION BASE ON SNI 8665:2018

No	Item Test	Metode test	Unit	Hasil test	Requirement
1	Pull-off adhesion test	ASTM D4541	MPa	± 2.5	Min. 1
2	Elongation at break	ASTM D2370	%	± 200	Min. 300
3	Tensile strength	ASTM D2370	MPa	± 1.5	Min. 1.2
4	Water vapor permeability	ASTM D1653	kg/det.m ² .Pa	± 3.5x10 ⁻¹⁰	17.2x10 ⁻¹⁰
5	Water absorption	ASTM D471	% weight	± 6	Max. 20
6	Accelerated weathering test, after 500 hours	ASTM D4798	-	n.a.	No crack
7	Elongation at break after accelerated weathering test after 500 hours	ASTM D522	-	n.a.	No crack
8	Crack bridging	ASTM C835:00	mm	±3	-

APPLICATION STEP

1. The surface to be coated must be clean from dust, dirt, oil, grease and loose material with appropriate method. Repair damaged concrete surface with Procrete cement filler.
2. Use a low speed electrical stirrer/mixer for mix one full set of UFC-910 (comp. A : comp. B = 2:1 w/w) for at least 2 minutes until the mixture is homogeneous.
3. Pour the mixture of material UFC-910 into the substrate and spread the mixed material using trowel, brush or roller.
4. After 2-4 hours from first coat, apply second coat UFC-910 with trowel or brush, with cross over from first coat.
Avoid contact with water/rain before UFC-910 hard dry.
5. Avoid contact with direct sunlight, should be cover with screed or another coating that resistant to weather.

COATING SYSTEM

WATER RESTORE POINT	CA (g/m ²)	SIMMING POOL	CA (g/m ²)
- UFC-910	: 1000	- UFC-910	: 1000
+ Fibernet (optional)		+ Fibernet (optional)	
- UFC-910	: 1000	- UFC-910	: 1000
- MULTIPOX MX-98 2K SB (optional)	: 400	- + CERAMIX (optional)	
TOTAL	: 2400	TOTAL	: 2000

BASEMENT WALL	CA (g/m ²)	ROOFTOP FOR CARPARK	CA (g/m ²)
- UFC-910	: 1000	- UFC-920	: 1000
+ Fibernet (optional)		+ Fibernet (optional)	
- UFC-910	: 1000	- UFC-910	: 1000
- PUAS-620 2K WB (optional)	: 400	- PUAS-620 2K WB (optional)	: 400
TOTAL	: 2400	TOTAL	: 2400

PEMBERSIHAN ALAT

All tools and equipment should be rinse with water after use. Hardened material can removed mechanically.

SAFETY PRECAUTIONS

This product does not contain toxic material. Avoid contact with skin and eyes. Wear suitable protective clothing such as goggles, dust mask, and gloves. Use barrier cream. This product is not flammable.

FIRST AID

- Skin contact : Wash off thoroughly with plenty of water immediately. If irritation occurs, seek medical advice.
- Eye contact : Rinse immediately with plenty of clean water. Seek medical advice.
- Inhalation : Remove person to fresh air, loosen collar and avoid exertion. Keep patient, rested and give artificial respiration.

DISCLAIMER

This document contains information issued based on the best and latest of Propan's knowledge in accordance to laboratory testing and practical application experience. The end user must test the product's suitability for their specific application and purpose. Propan shall not be liable for defects where the application of the Product has not been made fully in accordance with the recommendations and requirements. This document is subjected to change without further notice. Please consult Propan for any specific guidance on the suitability of this product for their needs or for any specific application practices.