

ULTRAFLEX MEMBRANE UFM-930 1K WB

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PRODUCT DESCRIPTION

ULTRAFLEX MEMBRANE UFM-930 1K WB, Modified Acrylic Polyurethane Liquid Waterproofing membrane, is liquid waterproofing membrane, one component modified acrylic polyurethane, highly elastic and UV resistant, It can seal leak effectively and extend the service live of exposed roof.

FIELDS OF APPLICATION

- Flat roof
- Planter box
- Balcony

FEATURES

- One component (1K), easy to apply,
- Highly elastic and crack-bridging,
- Weather resistant and UV resistant,
- Relatively fast dry,
- Water based, environmentally friendly
- Long durability.

TECHNICAL DATA

Type	: Modified Polyurethane
Color	: as shown in the color card
Gloss level	: Doff
Solid content	: 58 ± 1 %
Density	: 1.35 ± 0.04 g/cc
Material consumption	: 0.25 kg/m ² for 100 mic DFT Max 0.75 kg/layer
Drying time(30°C)	:
- Surface dry	: 1 hour
- Hard dry	: 2-3 hours
- Full cure	: 7 days
Packaging	: 1 kg, 4 kg and 20 kg
Storage stability	: 12 months if storage in cool and dry condition in original unopened packaging. Protect from dampness and direct sunlight.
Application method	: roll, brush, squeegee
Re-coating interval (30°C)	: minimum 3 hours
Application temperature	: 25 - 35°C
Humidity maximum	: 80 % RH

SPECIFICATION ACCORDING TO SNI 8665:2018

No	Item Test	Test method	Unit	Test result	Requirement
1	Pull-off adhesion test	ASTM D4541	MPa	± 5	Min. 1
2	Elongation at break	ASTM D2370	%	± 800	Min. 300
3	Tensile strength	ASTM D2370	MPa	± 2	Min. 1.2
4	Water vapour permeability	ASTM D1653	kg/det.m ² .Pa	± 14x10 ⁻¹⁰	17.2x10 ⁻¹⁰
5	Water absorption	ASTM D471	% weight	± 10	Max. 20
6	Accelerated weathering test, 500 hours	ASTM D4798	-	No crack	No crack
7	Bending test after accelerated weathering test 500 hours	ASTM D522	-	No crack	No crack

INSTRUCTION FOR USE

CONCRETE REQUIREMENT

Age of concrete must be more than 28 days. The surface to be coated must be clean from dust, dirt, oil, grease and loose material with appropriate method.

Concrete surface must have a slope of at least 1%, and humidity less than 6%.

SURFACE PREPARATION

Clean the surface from dust, dirt and oil with water, blast cleaning, scrapper, etc.

RECOMMENDED COATING SYSTEM

Function	Product and tools	Coating amount	Drying time
Sealer	: Apply WBS-224 1K WB for minimize Outgassing occur on coating. Outgassing can occur because of porosity and high temperature of concrete substrate.	200 g/m ²	1-2 hours
First coat	: Apply UFM-930 1K WB on concrete, and flatten well using roll or brush. Use fibre net (65 g/m ² , recommended) over wet surface UFM-930 1K WB.	300-500 g/m ²	3-4 hours

Third coat	: Apply UFM-930 1K WB on concrete, and flatten well using roll or brush.	300-500 g/m ²	3-4 hours
Fourth coat	: Apply UFM-930 1K WB on concrete, and flatten well using roll or brush.	300-500 g/m ²	3 days
Note	Avoid contact with water/rain, before UFM-930 1K WB full cure		

CLEANING

UFM-930 1K WB should be removed from tools and equipment with clean water. Hardened material can be removed mechanically only.

SAFETY PRECAUTIONS

UFM-930 1K WB is non toxic and non flammable and does not contain heavy metals in its material such as lead. Avoid contact with skin and eyes. Do not inhaled. Wear suitable protective equipment such as goggles, dust mask and gloves.

For more information, please refer to our material safety data sheet.

First Aid

Skin Contact : Wash with soap and water. If irritation occurs, seek medical advice

Eye Contact : Rinse immediately with plenty of water. Seek medical advice if irritation persists.

Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep patient rested and help using breathing apparatus.

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