

Technical Data Sheet

Number : October 2017

Product Name : **Ultraflex Membrane UFM-930-1K WB**

UFM-930-1K WB

Water Based Liquid Polyurethane Membrane Waterproofing

PRODUCT DESCRIPTION

UFM-930-1K WB is liquid waterproofing coating, highly elastic and UV-resistant. It can seal leaks and extend the service life of exposed roof.

FIELDS OF APPLICATION

- Flat roof
- Balcony
- Planter box

ADVANTAGES

- Water based, environmentally friendly
- Excellent waterproofing properties
- Long durability
- UV resistant
- Weather resistant
- Highly elastic and crack-bridging
- Fast dry
- One component (1K), easy to apply

**TECHNICAL DATA**

- Color : White, Light Grey, Medium Grey, Grass Green.
- Finish : Doff
- Specific gravity : 1.39 ± 0.04
- Solid by weight : $60 \pm 1.0\%$
- Packaging : 1 kg, 4 kg and 20 kg
- Recommended thickness : 1.0 - 1.5 mm (DFT)
- Mixing ratio : ready for use
- Storage stability :
~ 24 months if stored cool and dry and in original packaging (not opened)
- Flash point : Non flammable
- Drying time :
 - Surface dry : 60 minutes (30°C)
 - Hard dry : 2 - 3 Hours (30°C)
 - Full cure : 7 days (30°C)
- Application tools : Roll, Squeegee, Brush
- Thinner : Clean water

- Re coating interval : Minimum 3 hours (30°C)
- Application temperature: Minimum 20°C
Maximum 35°C
- Humidity maximum : 80 % RH
- Material consumption : 0.23 kg/m² for 100 mic DFT
: Max 0.75 kg/layer

TEST PERFORMANCE DATA

- Tensile strength (ASTM D412) : 1.9 MPa
- Elongation test (ASTM D412) : 300 %
- Hardness (ASTM D2240) : 65 osc
- UV resistant (ASTM D6695) : Good
- Adhesion (ASTM D4541) : 1.5 MPa

INSTRUCTION FOR USE

SURFACE PREPARATION

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

RECOMMENDED COATING SYSTEM

Dry Film Thickness	1 mm	1.25 mm	1.5 mm
Reinforcement	Fiber Net		
Penetrating	250gr (UFM-930 : clean water = 125gr : 125gr)		
Consumption	2.3 kg/m ²	2.8 kg/m ²	3.4 kg/m ²
Number of coats	3 coats	4 coats	5 coats

CLEANING

All tools and equipment should be removed with soap water, rinse again with clean water immediately after use.

SAFETY PRECAUTIONS

This product does not contain any material with heavy metals such as lead. Avoid contact with the skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves. Use barrier cream. This product is not flammable. Do not breathe vapour of spray.

WATERPROOFING

First Aid :

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| 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. |
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