



WPM 158

High build, single component, elastomeric polyurethane based waterproofing membrane

DESCRIPTION

WPM 158 is single component, high build, aliphatic polyurethane based elastomeric liquid applied waterproofing membrane which finds various usages in the construction industry. The cured membrane has a high flexibility, water resistance with excellent crack bridging properties. It is UV stable and can be left exposed without the need for any additional protective layers.

USES

- Suitable for external areas of waterproofing, podiums and on walls and roof subjected to ultra-violet radiation.
- For internal and external use.
- Does not require protective screed.
- Can be applied on damp visibly dry surfaces without the fear of blistering.
- Environmentally friendly product, does not give off fumes or gases which will affect health.
- Suitable for use in confined areas because of its non-odour formulation
- Suitable for application on metal surfaces.

FEATURES

- Excellent compatibility with almost every construction material.
- Good resistance to wide range of chemicals and oils.
- Resistant to abrasion and blushing :does not require protective screed.
- Elastomeric :good crack bridging property.
- Single component :no mixing and weighing at site.
- Weather and UV resistant.
- Excellent flexibility :accommodates normal building movement.

PHYSICAL PROPERTIES

WPM 158 27 ± 1°C

Colour	White
Density	1.32 g/cc
Elongation at break 7 days	400 %
Crack Bridging	> 2mm
Shore A Hardness ASTM D2240-2005	> 80
Tensile strength ASTM D412-2015	approx 1.0 N/mm ²
Bond strength ISO 4624-2016	> 1.0 N/mm ²
Touch dry	1 - 2 hours
Cure time	24 hours

COVERAGE ESTIMATES

Pack Size
25 kg

Coverage
For Roof : 1.5 to 1.8 kg/m²
in 2 coats for 1 mm thickness

For Walls: 0.5 to 0.6 kg/m²
in 2 coats @ 0.3 mm DFT
(using appropriate roller)

APPLICATION INSTRUCTIONS

Surface Preparation

The surface to be coated must be made free of oil, grease, rust, laitance and any other contaminants that may hinder the bond. Ensure that the surface is clean & dust free before proceeding with the coating.

Note:

- New concrete should be left at least 28 days to cure.
- Plastered surface should be at least 7 days old.
- Metal surfaces should be primed with EP 410 (zinc rich primer).
- Static hair line cracks (< 1 mm) should be treated with an additional coat of WPM 158.
- Dynamic cracks should be filled with SU 10 (polyurethane sealant) and reinforced with WPM Deck Web, coated with WPM 158 and allowed to cure
- Metal surfaces must be totally free of rust. Prime the metal surface with etching primer, allow to dry before application of WPM 158

Mixing

The entire contents of the WPM 158 should be stirred well before starting the application.

Application

For Roof: Use a brush or lamb's wool roller on the prepared surface in 2 coats with a recoat interval of minimum 1 - 2 hours. Allow the coating to air dry for 24 hours.

For Walls (concrete or plastered): Use an exterior grade polyester fabric roller (19mm thick) on the prepared surface in 2 coats with a recoat interval of minimum 1 - 2 hours. Allow the coating to air dry for 24 hours.

CLEANING

WPM 158 can be removed from tools and equipment by water after use. Any hardened material will need to be removed mechanically.

STORAGE AND SHELF LIFE

WPM 158 has a shelf life of 12 months in the original unopened containers. The product should be kept in a cool, well ventilated area away from heat, direct sunlight and sources of heat.

PRECAUTIONS

In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash

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immediately with plenty of soap and water. Always wear gloves and eye / face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

DISPOSAL/SPILLAGE

Spillage of any of the product should be absorbed onto sand or other inert materials and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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