

MF BUILDING & CONSTRUCTION PRODUCTS PTE. LTD.

W-BOND MEMBRANE PRODUCT DATA SHEET



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Description

W-Bond Membrane is a self-adhesive roofing underlayment which composed of two waterproofing materials (modified bitumen and HDPE film - Strong cross polyethylene). The modified bitumen surface is backed with a PE film release paper that protects its adhesive quality. During application, the release paper can easily be remove, allows excellent bonding between the modified bitumen and the roof deck.

Features and Benefits

- Excellent tension and elongation;
- Suitable for various application such as underground projects and concrete roof;
- Strong puncture resistance;
- Excellent tearing resistance;
- Excellent waterproof layer;
- Dimension stability and low/high temperature resistant performance.

Specification

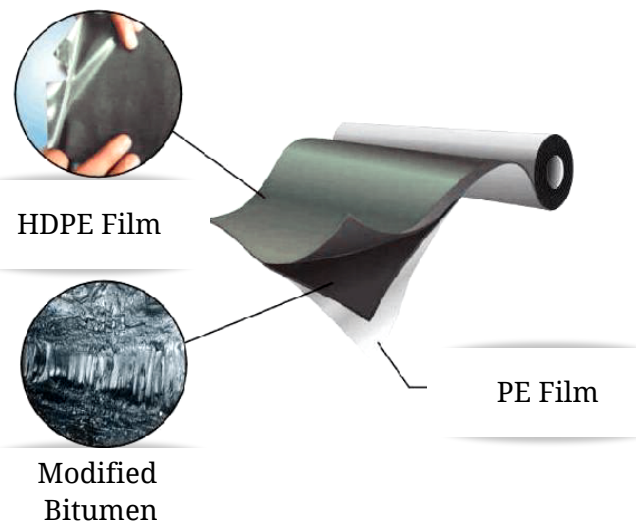
Surface layer: HDPE Film

Base layer: Modified Bitumen

Release paper: PE Film

Thickness: 1.0mm

Dimension: 1m x 20m (20m2/roll)



Performance Properties

Test Result

Test Standards

Color	Black	
Material weight installed (max)	1.2g/cm ³ +/- 0.05g (per 1mm thickness)	ASTM D461
Thickness, membrane	Average value: 1.02mm	ASTM D5157/D5147M-14
Tensile strength, membrane	Longitudinal: 5.1kN/m Transverse: 4.5kN/m	ASTM D2523-13
Elongation, membrane	Longitudinal: 248% Transverse: 180%	ASTM D2523-13
Low temperature flexibility	No cracks at -29 ° C	ASTM D1970 Section 7.6
Adhesion to plywood	At 4 ° C: 13.8 kgf/30.5cm At 23 ° C: 13.8kgf/30.5cm	ASTM D903-98 (2010)
Permeance (max)	1.6 ng/Pa.s.m ²	ASTM E96/E96M-15
Thermal Stability	<2.5mm	ASTM D1204-14
Tear Resistance	Longitudinal: 324N Transverse: 285N	ASTM D4073-06 (2013)
Seal Ability Around Nail ²	Pass	ASTM D1970 Section 7.9
Waterproof Integrity after low temperature flexibility	No water seepage was found	ASTM D1970 Section 7.6.3.5
Waterproof Integrity of lap	No water seepage was found	ASTM D1970 Section 7.10