

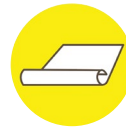
Weberdry MB 166

Torched on membrane



Weberdry MB 166 is a prefabricated, modified bitumen APP (atactic polypropylene) membrane of distilled asphalt modifiers, coated with small coloured granules (mineral finish) and reinforced with a stabilized polyester and fiberglass. The burn-off film acts as a temperature gauge upon application.

PRODUCT BENEFITS



TORCHED ON MEMBRANE



EASY TO APPLY



EXCELLENT ELONGATION

USES

Weberdry MB 166 is a multi-layer solution for cement, metal, or wooden structures, with or without thermal insulation. It is effective for exposed re-roofing or new roof waterproofing especially RC flat decks. Weberdry MB 166 acts as a positive vapour barrier and is also used for rooftop M&E enclosures, roof terraces, viaducts, and balconies.

ADVANTAGES

- Able to withstand human traffic
- Excellent elongation
- Requires only one layer, reduce roof load
- Puncture resistance

TECHNICAL DATA & PHYSICAL PROPERTIES

| | |
|--|--|
| Colour | Green, grey |
| Weight | 5 kg/m ² |
| Dimensional Stability (SS 374:1994 (2017) Appendix A) | -0.10 % (Longitudinal); -0.10 % (Transverse) |
| Tensile Strength (SS 374: 1994 (2017) Appendix B) | 3.47 MPa (Longitudinal); 2.31 MPa (Transverse) |
| Elongation at Break (SS 374: 1994 (2017) Appendix B) | 48 % (Longitudinal); 57 % (Transverse) |
| Tensile Shear at Joints (SS 374:1994 (2017), Appendix C) | 332 N - Break of the sheet |
| Pliability (SS 374:1994 (2017), Appendix D) | No surface rupture was observed |
| Water Absorption (SS 374:1994 (2017), Appendix E) | 0.90 % |
| Soluble Matter (SS 374:1994 (2017), Appendix E) | 0.07 % |
| Water Vapour Transmission (SS 374:1994 (2017), Appendix F) | 0.08 g/hr-sqm |
| Hydrostatic Test (SS 374:1994 (2017), Appendix G) | No leakage was observed |
| Resistance to Leakage at Joints (SS 374:1994 (2017), Appendix H) | No leakage was observed |

Specifications are subject to change without notification. Results shown are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance will depend on installation methods and site conditions.

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PROCEDURE & APPLICATION



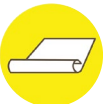
Surface Preparation

All surfaces must be dry, clean, sound, and free from any laitance, oil, grease, and any contaminants. Ensure that the concrete surface is cured, not less than 14 days. Treat and repair all cracks.



Primer

Prime the substrate with Weberprim ES 124/ Weberdry Bitu Coat, a bituminous primer. Stir Weberprim ES 124/ Weberdry Bitu Coat well before application. Apply Weberprim ES 124/ Weberdry Bitu Coat by brush or roller on the dry surface. Apply 2 coats if the substrate is porous. Allow approx. 1-2 hours for the primer to dry depending on weather conditions.



Application

Unroll Weberdry MB 166 fully onto the floor and begin laying from the low point of the roof or work area to the high point to prevent backwater laps. Align the membrane and to allow side laps tolerance, reroll Weberdry MB 166 half of its full length, and start torching. Allow 75 mm lap joints along the roll edges and 75 mm at roll ends and transverse joints. Use a torch flame and move it from side to side covering the full width of the membrane until the burn off film begins to fully melt. Move the roll forward and do not overheat. Press firmly against the substrate. Heat the overlaps and use a round-tipped trowel to seal the overlaps. Ensure a minimum of 4mm bitumen outflow for watertight integrity at overlaps. The excess compound should be smoothed and press into the seams.

Seal the edges into the grooves and protect with Weberseal PU, polyurethane sealant.

STORAGE & PACKING

Weberdry MB 166 is available in rolls of 10m x 1m, weighing at approx. 50kg. Weberdry MB 166 should be stored in a sheltered area protected against sunlight and UV radiation. Rolls should be stored in a vertical position on a smooth floor so as not to damage the edges.

HEALTH & SAFETY

Do not use open flames near highly combustible materials. Please keep out of reach of children.

*Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only. Saint-Gobain (Singapore) Pte Ltd reserves the rights to amend the contents of the data sheet at its sole discretion. (May '26)

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