alco
JM TPO

JM TPO

SINGLE PLY MEMBRANE FOR
ROOFING, DECKS & PODIUMS

AUG
23

JM TPO ROOFING MEMBRANE RELIABLE, COST EFFECTIVE SOLUTION FOR LOW SLOPE ROOFING

A highly versatile membrane, suitable for a wide range of roofing installations including:

- Cold roof systems
- Warm roof systems
- Decks and balcony's
- Green roofs
- Ballast roofs
- Water collection

If you would like to learn more or require assistance with design, specification or compliance, please speak with your Allco Account Manager today on (09) 448 1185 or tech@allco.co.nz

DESCRIPTION

Allco JM TPO is a thermoplastic polyolefin (TPO) roofing membrane. Manufactured using ultraviolet-resistant formulation and reinforced with fabric polyester, JM TPO offers extreme pliability, flexibility and weldability during installation. The single ply roofing membrane is a reliable and cost-effective solution ideal for low slope roofing, decks and balconies.

Allco JM TPO is manufactured by Johns Manville (JM), one of the most respected and technologically advanced waterproofing membrane manufacturers in the world, servicing customers in more than 80 countries globally.

SUITABLE APPLICATIONS

Allco JM TPO is suitable for commercial and residential low-slope and pitched roofs, gutters, parapets, balconies, and under floating decks.

JM TPO is ideal for waterproofing a wide variety of new substrate surfaces or to rejuvenate failed or worn-out existing membranes which are nearing their “use by date”.

JM TPO is also used as the waterproofing membrane for our ALLTHEM Warm Roof, ALLRITE Recover Roof and Cold Roof solutions.

PERFORMANCE AND DURABILITY

Designed with durability in mind, Allco JM TPO has been engineered with a reinforced fabric scrim layer combined with a more substantial top-ply thickness, providing long-term weathering and UV resilience properties, along with high-strength tear and puncture resistance making it ideal for New Zealand’s harsh weather and UV conditions.

BEST IN CLASS PERFORMANCE

THICKNESS OVER SCRIM

JM TPO is available in 3m and 3.6m wide, making it ideal for larger roofs installations as well as available a 1.14 and 1.52 mm thickness guaranteeing a high-strength, tear and puncture resistance membrane whist maintaining high pliability, flexibility and weldability during installation.

INTEGRITY IN HARSH ENVIRONMENTS

Allco JM TPO has been vigorously tested by submitting it to temperatures of over 115°C for over 224 days. TPO membranes that can withstand these high temperatures for sustained periods have stronger seam welds and more integrity to protect your roof from the elements guaranteeing test of time in the harshest environmental conditions.

ENERGY SAVING

The lighter coloured TPO reflects solar energy lowering the amount of heat absorbed into the building, greatly reducing cooling energy loads and costs. The reduction in energy consumption contributes towards a building's green start rating.

PORTABLE WATER CERTIFIED

Allco JM TPO has been tested and is proven to meet the New Zealand requirements (AS/NZS 4020:2018) as suitable membrane for the collection of potable water.

FEATURES AND COMPONENTS:

- BRANZ appraised
- 20 year product warranty
- Installed by Allco Approved Applicator
- Fire-resistant
- Energy-efficient high reflectivity
- UV inhibitors increase longevity
- Engineered to suit harsh climatic conditions
- Polyester-reinforced
- Strong heat-welded seams
- Pliability & flexibility
- Resistant to chemicals and grease
- Thickest membrane above scrim
- Wide range of weldable accessories
- Overlay existing membrane
- Cut to length
- Suitable for low slope roofs, gutters, or warm roofs
- Portable water certified

WARRANTY

Allco JM TPO comes with a 20 year product warranty when installed by an Allco Approved Applicator.

Allco also provides end-to-end support with detailed design advice and assistance, on-site trouble shooting and installation support upon request.

TECHNICAL

NZBC COMPLIANCE

Allco JM TPO when installed and maintained in accordance with the supplier's instructions and maintenance requirements will satisfy the durability clause NZBC B2.3.1 (b) 15 years. Allco JM TPO meets the relevant clauses of NZBC E3 Internal Moisture and F2 Hazardous Building Materials.

DESIGN REQUIREMENTS

Product specification and incorporation of Allco JM TPO into the building design shall be carried out by a designer, or architect, or engineer, or building professional who; is qualified to design the buildings covered under the "Scope of use" of this product; and has ready access to the technical specifications including installation details and standards referenced to in the BRANZ Appraisal No.1046 (2018) where the design limitations are outlined for the scope of this PTS.

Allco JM TPO is supplied as a complete system with proprietary heat weldable accessories to deal with roof penetrations including internal and external corners and pourable pockets. Refer to the Allco website or contact an Allco Account Manager for a full list of accessories.

INSTALLATION

Installation shall be carried out by an Allco Approved Applicator. Installation shall be undertaken in accordance with all relevant technical information related to the selected installation method, including information contained within the BRANZ Appraisal No. 1046 (2018) and the suppliers installation instructions.

MSDS

Material Safety Data Sheets (MSDS) are available on request from your Allco account manager or by visiting our website **www.allco.co.nz**

SPECIFICATION & SUBSTITUTION

Specification documents are available through Masterspec or can be downloaded from our website **(www.allco.co.nz)**. Substitution of any products in NZBC compliant systems should not be accepted and we recommend this be made clear in all specification and tender documents.

MAINTENANCE REQUIREMENTS

Maintenance requirements for Allco JM TPO are outlined in Allco's Care & Maintenance Guide. In the event of damage to the membrane, the membrane must be repaired by an approved applicator only, who can remove the damaged portion and heat weld a patch, the same as for new work. Drainage outlets must be maintained to operate effectively.

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MEMBER OF ROOFING ASSOCIATION NZ

BRANZ Appraised
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