

Standard specification for the application of Traxx MP Membrane as a sandwich waterproof membrane

Ref:P110
Page 1 of 2

1.0 PREAMBLE

This specification is for the application of **Traxx MP Membrane** as a seamless waterproof membrane between two layers of concrete, eg between site concrete and main slab as a damp-proof membrane, or between main slab and topping concrete as a waterproof membrane in deck or roof construction.

2.0 SURFACE PREPARATION/PRETREATMENT

- 2.1** Concrete surfaces shall be finished to NZS 3114:1980 U2 or equivalent finish and shall have cured 14 days prior to application of the membrane system.
Note, for site concrete it is recognised that it may not be possible to achieve this finish, but the surface should be kept as free from defects, particularly blow-holes, as possible.
- 2.2** Where so detailed, construction/expansion joints shall be primed and caulked with an approved two component polysulphide sealant, applied strictly in accordance with the sealant manufacturers instructions and allowed to cure a minimum of four (4) days prior to membrane application.

3.0 MEMBRANE APPLICATION

3.1 Priming:

Apply one (1) full coat of **Traxx Primer 1070** to all surfaces to which **Traxx Membrane** is to be applied. Application shall be by roller, brush or spray at a spreading rate of 7-10 sqm/litre, depending on profile. Allow to dry 4-16 hours until surface can be worked over.

Note, if a primed surface is left for more than 24 hours, it must be reprimed with **Traxx Primer 1050** prior to membrane application.

3.2 Detailing:

All transitions, corners, edges and sealant beads shall be striped out with a 150 mm wide band of **Traxx MP Membrane** applied at 1 sqm/litre and allowed to dry tack-free. If the transition is likely to be subjected to mechanical damage, embed 225 gm chopped strand glass fibre mat in this layer, to reinforce the membrane.

3.3 Membrane Application:

- .1 Apply one (1) or two (2) coats, depending on application method, of **Traxx MP Membrane** to all surfaces to be coated at a total spreading rate of 0.75-1 sqm/litre, so as to achieve a minimum membrane thickness of 900 microns.
- .2 Application shall be brush, roller or spray, with thinning as required for easy even application.
- .3 Where two coats are applied to achieve the specified film build, the intercoat time shall not exceed 24 hours.
- .4 Where required, on vertical surface, **Additive-T** shall be thoroughly mixed into the **Traxx MP Membrane** in a ratio not exceeded by 1 volume of **Additive-T** to 12 volumes **Traxx MP Membrane** to give the viscosity required for complete film build without sagging.



Page 2 of 2
Ref:P110

4.0 POST TREATMENT

4.1 Subsequent to membrane application, the surface shall be protected in one or two ways, which reinforcement is placed for the topping or slab over:

Either:

When used as a D.P.M in foundation work, or for a non-floating topping:

24 hours after application of the **Traxx MP Membrane**, blind the surface with a layer of -14 mesh builders sand, applied to excess. Loose sand shall be swept or blown from the surface prior to concrete placement.

Or:

When used as a membrane underneath a floating (independent) topping:

When surface is tack-free, 24-48 hours, lay building paper or polythene over the **Traxx MP Membrane**, with joints lapped 50-75 mm and loose taped to hold the material in place.

4.2 After steel placement, and before pouring of the concrete, the Approved Contractor shall inspect the protected surface. Where there is damage to the overlay (sand or paper/film) he shall check thoroughly for damage to the membrane, and where necessary effect repairs by application of a further coat of **Traxx MP Membrane** to the affected areas.

4.3 The Approved Contractor shall allow for attendance during concrete placement to ensure that the membrane is sound at the time of its burial.

5.0 WARRANTY

The **Traxx MP Waterproof Membrane** as detailed in this specification may be warranted as to waterproof integrity for a period of up to, but not exceeding, ten (10) years, provided that:

- (a) All work is carried out by an Approved Equus Contractor.
- (b) All work is done in accordance with this specification, or any amendments or alterations thereto issued by the Manufacturer.

The warranty is provided to the Client by the Equus Contractor carrying out the work and is backed by the Manufacturer as to the fitness for the purpose of the materials supplied for the work.

-ooo0ooo-