

Traxx 1500

Basecoat

Liquid Applied Polyurethane Waterproofing Membrane

Product:

Traxx 1500 is an liquid-applied, highly permanent elastic, cold applied and cold curing, one component polyurethane membrane used in conjunction with **Traxx 2400** Roof Membrane, **Traxx 2500** Pedestrian Deck System and **Traxx 3200** Trafficable Deck System.

Traxx 1500/2400/2500/3200 Systems forms a monolithic waterproofing membrane to concrete, plywood, and metal surfaces. The Traxx Systems can be smooth, broadcast with coarse or medium aggregate to form a non skid surface or roller applied with **Traxx R13** fine anti-slip finish.

Traxx 1500 cures by reaction with surface and air moisture.

Advantages:

- Simple application (roller or airless spray).
- When applied forms seamless membrane without joints.
- Resistant to water.
- Resistant to frost.
- Maintains its mechanical properties over a temperature span of -30°C to $+90^{\circ}\text{C}$.
- Crack-bridging up to 2mm, even at -10°C .
- Provides water vapour permeability.
- Full surface adhesion without additional treatment.
- The waterproofed surface can be walked on.
- Even if the membrane gets damaged, it can be easily repaired.
- Economical.

Uses: (with appropriate topcoats)

- Waterproofing of Rooftops.
- Waterproofing Parking Decks
- Waterproofing of Balconies and Terraces
- Waterproofing Stadia Bleachers & Concourse Areas
- Protection of Polyurethane Foam Insulation
- Waterproofing and protection of Concrete structures Such as Bridge-decks, Tunnels, etc.

Consumption:

1.5 – 2.5 kg/m^2 applied in two or three layers.

Traxx 1500 can be, reinforced with the **Traxx Fabric** for detailing and to badly cracked surfaces. This coverage is based on application by roller onto a smooth surface in optimum conditions. Factors like surface porosity, temperature and application method can alter consumption

Property	Results	Test Method
Elongation at Break	900 \pm 80%	ASTM D 412
Tensile Strength	7.45 \pm 0.30 N/mm ²	ASTM D 412
Water vapour permeability	25.8 \pm 4.4 gr/m ² /day	ISO 9932:91
Resistance to water pressure	No leak (1m water column,24h)	DIN EN 1928
Adhesion to concrete	> 2.0 N/mm ² (concrete surface failure)	ASTM D 903
Hardness (Shore a scale)	65 \pm 5	ASTM D 2240 (15")
Construction material fire class	B2	DIN 4102-1
Resistance to sparks and radiating heat	Passed	DIN 4102-7
Rain stability time	4 hours	Conditions: 20°C, 50% RH
Light pedestrian traffic time	12 hours	
Final curing time	7 days	
Chemical properties	Good resistance against acidic and alkali solutions (10%), detergents, seawater and oils.	

Technical Data:

Standard Pack Size:

5 or 25kg metal pails.

Storage:

Pails should be stored in dry and cool areas for up to 9 months. Protect material against moisture and direct sunlight. Storage temperatures 5°C - 30°C .

Colours:

Traxx 1500 is supplied in Grey as standard.



Application:

Surface Preparation:

Careful surface preparation is essential for optimum finish and durability.

The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the membrane. Maximum moisture content should not exceed 5%. New concrete structures need to cure for at least 28 days. Old, loose coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine or captive shot-blasting. Possible surface irregularities need to be smoothed. Any loose material and grinding residues need to be thoroughly removed by vacuuming as surfaces, which have been water washed must be thoroughly dry before application begins.

WARNING: Do not wash surface with water.

Repair of cracks and joints:

The careful sealing of existing cracks and joints before membrane application is extremely important for long lasting waterproofing results.

- Clean concrete cracks and hairline cracks, of dust, residue or other contamination. Prime joints surfaces with **Traxx 1050 Primer** and allow 2-4 hours to dry and allow to cure overnight . Fill all prepared cracks with an Equus approved PU sealant. Then apply a layer of **Traxx 1500**, 200mm wide centred over all cracks and while wet, cover with a correctly cut strip of **Traxx Fabric**. Press it to soak through. Then saturate the **Traxx Fabric** with enough **Traxx 1500**, until it is fully covered. Allow 12 hours to cure.
- Clean concrete expansion joints and control joints of dust, residue or other contamination. Widen and deepen joints (cut open) if necessary. The prepared movement joint should have a depth of 10-15 mm. The width:depth ratio of the movement joint should be at a rate of approx. 2:1. Apply an Equus approved PU Joint-Sealant on the bottom of the joint only. Then with a brush, apply a stripe layer of **Traxx 1500**, 200mm wide centre over and inside the joint. Place the **Traxx 1500** over the wet coating and with a suitable tool, press it deep inside the joint, until it is soaked and the joint is fully covered from the inside. Then fully saturate the fabric with enough **Traxx 1500**. Then place a polyethylene backer rod of the correct dimensions inside the joint and press it deep inside onto the saturated fabric. Fill the remaining free space of the joint with Equus approved PU backer rod sealant. Do not cover. Allow 12 hours to cure.

Priming:

Prime absorbent surfaces like concrete, cement screed or plywood with **Chevaline Epistixx Primer**.

Prime old coatings, bitumen- and asphalt- felts surfaces with **Chevaline Epistixx Primer**. Prime non-absorbent metal surfaces tiles with **Chevaline Epistixx AC Primer**, (and ceramic tiles). Allow the primer to cure at least overnight .

Waterproof Membrane:

Stir well before using. Pour the **Traxx 1500** onto the primed surface and lay it out by roller or notched trowel, until all surface is covered. Airless spray equipment can also be reinforce with **Traxx Fabric** to typical problem areas, like wall-floor connections, pipes, waterspouts (siphon), etc. Apply a correctly cut piece of **Traxx Fabric** to the wet **Traxx 1500** , press it to soak, and saturate again with **Traxx 1500** . For detailed application instructions with **Traxx Fabric** , contact Equus technical support.

After 12 hours (not later than 36 hours) apply another full coat of **Traxx 1500** . If desired apply a third coat of **Traxx 1500** .

RECOMMENDATION: Areas that have numerous cracks evident require reinforcement of the entire surface, with **Traxx Fabric** . Use 5-10cm overlaps.

RECOMMENDATION: If the **Traxx 1500** is applied without Fabric reinforcement we recommend a two or three-coat application depending on the end use.

ATTENTION: Do not apply the **Traxx 1500** over 0.6 mm thickness (dry film) per layer, as this may inhibit cure.

For best results, the temperature during application and cure should be between 5°C and 35°C. Low temperatures retard cure while high temperature speed up curing. High humidity may affect the final finish.

Accelerating Additive:

Traxx 1500-Catalyst can be added to accelerate over-coating times within the same day depending on site conditions.

Topcoats:

Apply one or two coats of **Traxx 2400** for Roof Areas, **Traxx 2500** for Pedestrian traffic areas or **Traxx 3200** to Parking Deck areas over the **Traxx 1500**. Where further enhancement of abrasion resistance is desired in heavy duty areas particularly Car Parking apply two coats of the **Traxx 3200** Top-Coat.

The **Traxx 1500** system are slippery when wet. Broadcast correct **Traxx NS** aggregates to refusal onto the still wet coating to create a non skid surface or apply by roller to light pedestrian foot traffic only **Traxx R13** anti slip coating. Please contact Equus

technical representatives for further details

Safety :

Material Safety Data Sheets must be read and understood before use.

Technical Support:

Equus Industries provides full technical support through representation in the field or from the support staff at the Melbourne Head Office. Full technical specifications are available and where appropriate a site specific specification can be provided. For more information of our service and advise contact:

Equus Industries Ltd
PO Box 497
Frankston 3199
Victoria
Phone: 03 9706 6226 Fax 03 9706 4880
Email: tech-support@equus.com.au
Web: www.equus.com.au