

# Traxx CS Membrane

## Purpose & Areas Of Use:

An elastomeric membrane for use in areas where a coloured waterproofing membrane is required, and as a flexible tank lining for potable water supplies. Can be used as a resilient, impact absorbing wall coating and as a roofing or protective membrane on external surfaces, in conjunction with appropriate protective topcoats.

## Product:

A single-component elastomeric urethane high-build material. For use in vertical situations **Traxx CS Membrane** is premixed with **Additive T** to give high-build non-slump characteristics.

## Process Compatibility:

With appropriate primers, **Traxx CS Membrane** can be applied to all common construction materials, including concrete, masonry block, timber, steel and galvanised steel. For exterior exposure situation, the materials may be top-coated with **Chevaline Coverall** or **Chevaline Colourcure**.

## Standard Pack:

4 litre metal cans, 20 litre metal pails.

## Physical Properties:

<b>Liquid Material:</b>	<b>Smooth</b>	
Solids (% by volume):	80%	(Additive T 93%)
Specific Gravity:	1.19	(Additive T 0.99)
Flash Point:	29°C	
Shelf Life:	At least 12 months in original sealed containers when stored in cool dry conditions.	

## Applied Film:

Flexibility:	Passes 3mm mandrel at 500 micron D.F.T.
Elongation:	>400% at break
Tear Strength:	>3.0 N/mm <sup>2</sup>
Mass Tear Strength:	>8.6 N/mm <sup>2</sup>
Chemical Resistance:	Excellent resistance to treated or untreated water, dilute acids, dilute alkalis, oil, salts and general process wastes.

## Surface Preparation:

All surfaces must be clean and dry at time of application. For most applications priming is mandatory i.e.

Porous Surfaces:	<b>Traxx Primer 1070</b> at 10 sqm/litre
Dense Concrete:	<b>Traxx Primer 1050</b> at 10 sqm/litre
Steel:	<b>Protexx Zincure</b> at 12 sqm/litre

Priming should be carried out approximately 4-6 hours before membrane application.

## Application Method:

**Horizontal Surfaces:** Brush or roller direct from container. Spray application may require the addition of approx 5% by volume Xylene for easy application. Contact Manufacturer for specific air assisted and airless-spray set-ups.

**Vertical Surfaces:** Mechanically mix one unit of **Additive T** into appropriate unit of **Traxx CS Membrane**. Mix at least 3 minutes to disperse all lumps. Apply by brush or roller. Spray application may require slight thinning for easy spreading. Contact Manufacturer for specific spray set-ups.

## Note:

1. When using air-assisted spray, ensure air-supply is filtered and dry to avoid film imperfections.
2. **Additive T** acts as both a thixotrope and a cure prompter. All mixed material should be used on the day of mixing.

## Application Properties:

### Spreading rate:

Theoretical: 1 sqm/litre for 800 micron min dft.  
Practical: 1.0 - 1.1 sqm/litre

### Recommended Film Thickness:

Wet:	1000 microns
Dry:	800 microns
No of Coats:	Generally one. Two coats at changes of direction and over stress points.

### Dry Time: (800 micron film)

Touch Dry:	5 - 8 hours
Through Dry:	10 - 24 hours

**Thinning/Clean Up:** Xylene (Xylol 5%)

**Note:** This product cures on exposure to atmospheric moisture. When a new container is opened, its contents must be used as soon as possible, with the container tightly sealed at all times when not in use. It is recommended that a container is always used the day it is opened.

## Specification Notes:

1. Detailing: All changes of direction (i.e. internal and external corners, upstands etc. should be coated with a band or **Traxx CS Membrane** 75mm in each direction after priming and before application of main coat, to provide additional reinforcement at stress areas. Where cracks or construction joints occur, a similar reinforcing band is applied.
2. Lapping of new work on to old: If more than 24 hours elapse before existing **Traxx CS Membrane** is lapped over, pre-priming of a 100mm stripe of existing material with **Traxx Primer 2150** is required, before the new **Traxx CS Membrane** is applied.
3. Application Conditions: Considerable heat buildup may occur on surfaces to which **Traxx CS Membrane** has been applied. It is advisable to prime and detail in morning hours, and apply the membrane in the afternoon/evening hours to avoid prolonged exposure to direct sun while curing with consequent risk of bubbling. Dry times indicated relate to conditions of 20-23°C and 50-60% R.H. Higher humidity will shorten dry times, while cool dry conditions will prolong these times.

## Health And Safety:

**Traxx CS Membrane** is a solventbased urethane coating. All normal precautions for handling solvent-borne materials must be observed including:

Storage in cool dry conditions away from naked flames.

No smoking in area while handling or applying **Traxx CS membrane**.

Use of barrier cream on exposed skin.

Use of solvent cartridge mask and safety goggles while handling material.

**Note** that this material contains a small proportion of free isocyanate monomer with very low vapour pressure. For normal application it presents a very low health hazard, but in some countries special handling regulations may pertain.

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