



## Triton TT VAPOUR MEMBRANE

### Description

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**Triton TT VAPOUR MEMBRANE** is a single component acrylic modified coating that once cured, provides a liquid applied waterproof, damproof, radon, methane and carbon dioxide barrier. Independent 3<sup>rd</sup> party test certificate / data available.

### Typical Applications

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- As a retro applied waterproof and gas proof membrane to concrete, masonry and brick substrates.
- Can be applied by airless spray, roller or brush to walls, floors or soffits.
- As an alternative to sheet membranes in new construction.

### Characteristics

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- A 0.7mm thick (dry film) coating provides an effective methane barrier when applied to most clay or cementitious-base construction materials.
- Also an effective waterproof membrane.
- Excellent adhesion, bonds to porous and non-porous substrates.
- Flexible
- Non-toxic.
- Will withstand temporary light trafficking.
- Cannot be punctured as fully bonded.
- Easily repaired by locally over-coating.
- Can be painted, plastered or screeded over.
- Repaid drying, in good conditions two coats can be applied in the same day.
- Can be applied by brush, roller or airless spray.
- Can be applied to damp and 'green' substrates.

### Technical Data

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Components	1
Form	Thixotropic Liquid
Specific Gravity	1.40 (approx)
Application Temp	Plus 4°C
Toxicity	Non – toxic
<b>Cured Properties</b>	
Adhesion to concrete	1.1N/mm <sup>2</sup>
Elongation ASTM D2370 %	>100%
Tensile Strength ASTM D2370	11 N/mm <sup>2</sup>

### Chemical Resistance

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**Triton TT VAPOUR MEMBRANE** has good chemical resistance to gasoline, sodium hydroxide, calcium chloride, de-icing salts and effluent.



## Performance Criteria

The performance of **Triton TT VAPOUR MEMBRANE** is illustrated in the following table with the accepted criteria for diffusivity (test work done at 0.2 bar).

Accepted Criteria	Triton TT VAPOUR MEMBRANE
R>50m	357.5m

Where R = air diffusion equivalent for carbon dioxide in metres.

Gas (methane) permeability :  $8.5 \times 10^{-16}$  ml/m<sup>2</sup>/s\*\*

\*\*This is an independent 3rd party UKAS accredited test - test certificate No. 12811

## Application Guidelines

- Surfaces must be clean, free from dust and loose material, oil, paint, fungal growth, etc.
- Non-structural cracks > 0.5mm wide must be filled.
- Structural cracks must first be repaired and filled.
- The substrate must be sound and ideally present a smooth face.
- Old repairs must be inspected and re-paired if necessary.
- Newly laid concrete should have a clean textured surface; **Triton TT VAPOUR MEMBRANE** can be applied to concrete or mortar within 24 hours of laying.
- Apply 45° fillets onto angles formed of **Triton FILLET SEAL** where practicable.

## Mixing

**Triton TT VAPOUR MEMBRANE** is supplied ready blended in a pail. The product requires agitation using a slow speed paddle mixer. Mix carefully for 5 minutes before use. If containers are stored for more than 2 hours after opening, re-agitate.

Do not add water.

## Surface Application

- Pre-dampen (not wet) the substrate before applying the first coat.

Interface with other media

- For expansion joints ensure that **Triton TT VAPOUR MEMBRANE** is applied well into the rebate before the expansion media is applied.
- Other gas membranes must be exposed and lapped with **Triton TT VAPOUR MEMBRANE** where present.

Dealing with cracks

- Cracks must be stabilized and filled. Apply the first coat of **Triton TT VAPOUR MEMBRANE** and apply plasterers polyurethane scrim along the line of the crack, apply a further coat of **Triton TT VAPOUR MEMBRANE** to fully cover the scrim; apply the final coat as stated below.

### Application of the main coating system

- The product can be applied by stiff brush, roller or airless spray with a minimum 17 thousands of an inch nozzle. The spray method is especially suitable for less accessible locations and uneven substrates.
- The first primer application is applied at the rate of >0.5lt/m for waterproofing and >0.3lt/m for an effective gas proof membrane. Ensure that the coating is even; use a circular action when spraying.
- Allow the primer coat to dry before applying the second coat.
- Apply the second coat at the rate of >0.7lt/m for waterproofing and >0.5lt/m for gas proof applications; for brush application, apply at right angles to the first coat. Again use a circular action when spraying. Application rate will depend on substrate surface.
- Do not apply over bitumen.
- The total application thickness must not exceed 4mm if splitting or cracking is to be avoided.
- Protect from frost and rain.
- Only apply when temperature is 5°C and rising.



## Specification

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**NBS:** Clause J30 10,130 – Liquid applied Damp Proofing  
Type A Barrier Protection in Accordance with BS8102 (2009).

## Packaging

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Triton TT VAPOUR MEMBRANE is supplied in a 20ltr Pail.

## Colour

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Mid Grey

## Storage

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Triton TT VAPOUR MEMBRANE must be stored at temperatures above 5°C and below 35°C in dry conditions, off the ground and away from direct sunlight.

The shelf life is 12 months in original unopened packaging when stored correctly.

## Health & Safety

- Protect hands with rubber gloves.
- Avoid contact with skin and eyes. Should this occur flush with plenty of clean water.
- If irritation persists, seek professional medical advice.
- For full information consult the relevant Material Safety Data Sheet.

For further information please contact:

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