Product Data Sheet

Triton TT VAPOUR MEMBRANE

Description

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 3rd party test certificate / data available.

Typical Applications

- 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

- 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

Components	1
Form	Thixotropic Liquid
Specific Gravity	1.40 (approx)
Application Temp	Plus 4℃
Toxicity	Non – toxic
Cured Properties	
Adhesion to concrete	1.1N/mm²
Elongation ASTM D2370 %	>100%
Tensile Strength ASTM D2370	11 N/mm²

Chemical Resistance

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 x 10-16ml/m2/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

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

Interface with other media

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

Dealing with cracks

1. 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

1. 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.
2. 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.
3. Allow the primer coat to dry before applying the second coat.
4. 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.
5. Do no apply over bitumen.
6. The total application thickness must not exceed 4mm if splitting or cracking is to be avoided.
7. Protect from frost and rain.
8. Only apply when temperature is 5℃ and rising.

Specification

NBS: Clause J30 10,130 – Liquid applied Damp Proofing

Type A Barrier Protection in Accordance with BS8102 (2009).

Packaging

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

Colour

Mid Grey

Storage

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.

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For further information please contact:

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