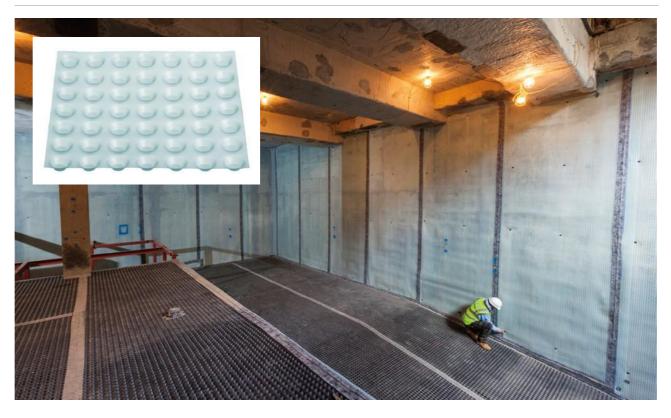# TRITON TM8 Membrane

Description

A waterproofing cavity drainage layer (type C) primarily used on walls but may be used on floors where depth of permissible build up is restricted. TRITON TM8 is manufactured from high density polyethylene (HDPE). It is impermeable to water, water vapour, Radon gas and is resistant to the chemicals and materials commonly used in building construction. When TRITON TM8 is used as a damp proof or waterproof membrane it may be installed independent of the moisture content in the underlying substrate.

TRITON TM8 is recommended as a drainage layer on walls and floors as part of a drained cavity membrane specification or as an isolating layer where damp-proofing only is required. Studs are formed in a regular pattern on the face of the membrane, creating an air gap on the reverse face which allows water to de-pressurize and drain freely. The studs are spaced at approximately 25mm centres in both directions and are 7mm deep.

TRITON TM8 is used in conjunction with TRITON TM20 (floors), Aquachannel drainage conduit and AquaPump Pro or XL sump and pumping systems. TRITON TM8 is fixed in place using Brick Plug and Seal, Sealing Tape, Cornerstrip Tape or Shield Stretch taper are used at joints, overlaps and junctions with itself or other membranes.

Specification services are available via the request box located on our website homepage : www.tritonsystems.co.uk

Workability

TRITON TM8 is tough but pliable and can be formed around corners and projections without risk of breaking, even in very low temperatures. The membrane is easily cut with a knife, shears or scissors.

Storage

Rolls of the membrane should be stored upright and preferably under cover.

Technical Data

Raw material:	HDPE
Sheet thickness:	Nominal 0.50 mm
Stud height:	Approx. 7 mm
Construction height:	Approx. 7.5 mm
Unit weight:	0.45 kg/m^2
Deformation under long term loading:	Max. 20% (at 50 kN/m^2)
Compressive strength:	180 kN/m^2
Working temperature:	−10° to +80°C
Softening temperature:	+126°C
Water vapour resistance:	280 m equivalent air layer
Air gap volume:	4.9 l/m^2
Drainage capacity:	Approx. 3.8 l/sqm/s
No. of studs: approx.	1640 per m^2
Life expectancy:	Lifetime of the structure for defined applications
Colour:	Natural/translucent white

Triton TM8 is CE marked in accordance with EN 13967 and EN 13984. A separate declaration gives values for several characteristics.

Chemical Resistance

TRITON TM8 membrane is resistant to the chemicals and materials commonly used in building construction. A small number of aggressive chemicals (e.g. solvents) in large concentrations can to some extent attack TRITON TM8 membrane during prolonged exposure. If exposure to aggressive chemicals is anticipated, advice should be sought from our Technical department.

Temporary exposure to volatile solvents due to splashes or accidental leaks is unlikely to cause any long-term damage. Tape or Rope joints may need to be inspected and removed if softened or damaged.

Sizes

Rolls of 2.0 m x 20 m (including 70 mm flat overlapping flange edge without studs).

Accessories

Sealing Tape 25m x 30mm roll for flange overlap joints
Sealing Rope 5m roll for stud to stud overlap joints
Cornerstrip Tape 10m x 150mm for over-taped joints and junctions, service pipe sealing etc
Shield Stretch Tape 10m x 195mm for pipe seals and other awkward detailing
Brick Plug and Seal box of 100.
Aquachannel Drainage conduit, corners, inspection ports etc

Refer to the Installation guide for more information.

Associated waterproofing products:
Triton TT Admix for watertight concrete (type B)
Triton Hydrolock and TitanBond pre-applied membranes (type A)
Triton TT55 and TT Vapour Membrane liquid applied waterproof coatings
Triton Fastcoat, elastomeric, seamless coating for terraces, balconies, and podium decks.

Triton Contact Details: