

## Flooring Systems

- Damp proofing/waterproofing systems
- Sheet membrane and liquid applied products
- Products for preparation and repair



## About Triton

The company holds British Board of Agreement approvals and is a BS EN ISO 9001 Quality Assured Company. Triton was represented on the technical committee responsible for drafting British Standard BS 8102 (2009) – the Code of Practice for protection of below ground structures against water from the ground – and supplies systems and products to meet the requirements of all three methods of waterproofing as defined by the Standard.

Triton also supplies associated products including anti-condensation products, ground gas barriers, flood resilience and remediation systems, cavity wall ties, damp proofing and timber preservation systems.

To support architects, surveyors and contractors, a full programme of training courses has been created including RIBA approved CPD seminars on basement waterproofing and green roof construction. More details can be found at [triton systems.co.uk/training](http://triton systems.co.uk/training)

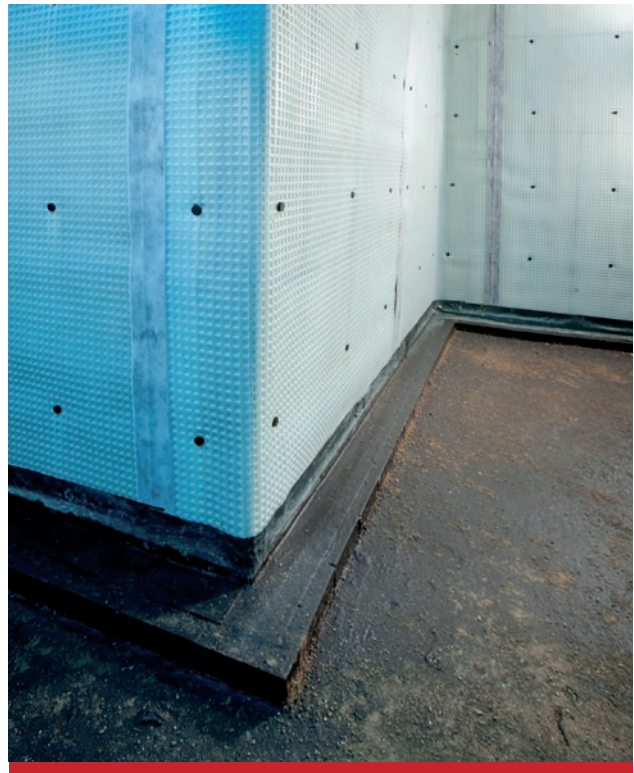
## Flooring Systems

Triton's flooring systems are designed to be used in a wide range of new build and retrofit applications and in combination with other Triton products such as cavity drain membranes, damp proofing and timber preservation products and concrete waterproofing systems.

The range includes liquid applied coatings for internal and external applications, sheet membranes which work as waterproofing systems as well as barriers against ground gases and other contaminants, and a comprehensive range of products for substrate preparation, installation and repair.

### Available for download at [triton systems.co.uk](http://triton systems.co.uk)

- Material Safety Data Sheets for all Triton products
- A complete library of technical drawings





# Liquid Applied Products

## TRI-SEAL

- Solvent free
- Damp proof membrane and water vapour suppressant
- Low odour
- Tough, flexible and waterproof
- Resistant to osmotic blistering
- Water vapour transmission less than 4g/m<sup>2</sup>/24hr (400 microns film thickness)

A solvent free, two part epoxy resin coating, typically used as a surface damp proof membrane and a water vapour suppressant. Well suited for use as a waterproof barrier beneath raised access floors, in plant rooms and banded areas. It is also suitable for application on damp surfaces, such as sand/cement and cement floors subject to rising damp or containing residual construction moisture. Tri-Seal can be used as a general purpose coating for surfaces subject to foot and light wheeled traffic. It can be applied using a brush or medium pile roller on to sound, clean surfaces. New concrete subfloors or sand/cement screeds should be left for a minimum of seven days to cure before applying this product. A minimum of two coats should be applied using a brush, or medium pile paint roller.

### NBS Specification:

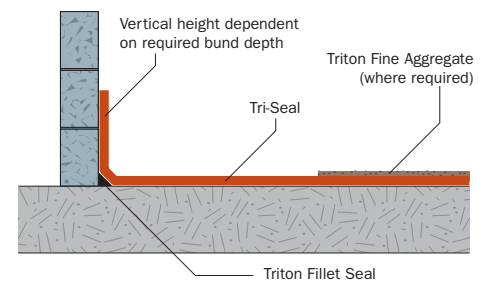
- J30 Liquid Applied Damp Proofing
- 10 Cold Applied Damp Proofing
- J30 Liquid Applied Tanking / Damp Proofing
- 130 Cold Applied Damp Proofing

### Technical Data:

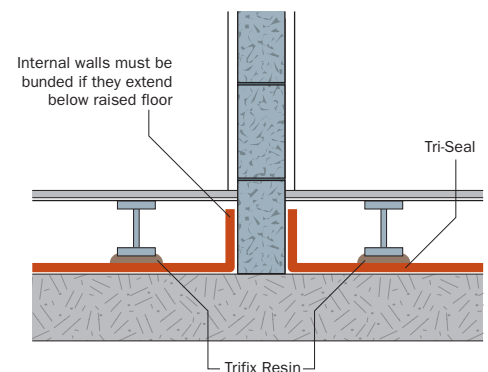
Composition Part 1	Low viscosity epoxy resin, reactive diluents, flow promoters and oxide red pigment.
Composition Part 2	Low viscosity epoxy curing agent and accelerator.
Mix ratio	2 parts resin to 1 part hardener by weight.
Curing time	@20°C re-coatable in 6 – 8 hours. @10°C re-coatable in 14 – 20 hours. Full cure is achieved up to 7 days after application depending upon temperature.
Coverage	1st coat 3 – 4m <sup>2</sup> /kg @ 200 micron film thickness, 2nd coat 4 – 5m <sup>2</sup> /kg @ 200 micron film thickness. NOTE: The coverage figures given are based on application to a smooth, dense surface. The coverage obtained will vary according to the porosity and texture of the surface to which the Tri-Seal is being applied. Moisture vapour suppression is maximised when the total coating thickness is 400 micron or over.
Colours	Available in grey or red.
Pack size	Available in 5kg and 20kg packs.



BUNDED FLOOR DETAIL



RAISED ACCESS FLOOR – INTERNAL WALL



## TRITON TT VAPOUR MEMBRANE (TTVM)

- Fast drying waterproof and gas-proof membrane
- Single component
- Cannot be punctured as fully bonded
- Easily repaired by locally overcoating
- **Methane, Carbon Dioxide and Radon barrier\***

A multi-functional, ready blended coating that can be retro-applied as a waterproof and gas-proof\* membrane to concrete, masonry and brick substrates, or as an alternative to sheet membranes in new construction. TTVM can be applied by airless spray, roller or brush to walls, floors and soffits.

### NBS Specification:

J30 Liquid Applied Damp Proofing  
 10 Cold Applied Damp Proofing  
 J30 Liquid Applied Tanking / Damp Proofing  
 130 Cold Applied Damp Proofing

### Technical Data:

Components	1
Form	Thixotropic Liquid
Specific Gravity	1.40 (approx)
Application Temperature	Plus 4°C
Toxicity	Non – toxic

### Cured Properties

Adhesion to concrete	>1.1N/mm <sup>2</sup>
Elongation ASTM D2370 %	>100%
Tensile Strength ASTM D2370	11 N/mm <sup>2</sup>

### Technology Centre Methane Gas Permeability Test Results:

Product	Triton TT Vapour Membrane
Specimen Thickness (m)	0.000727
Exposed Area (m <sup>2</sup> )	0.005064
Methane Gas Permeability (Kgas) (m/s)	8.527 x 10 <sup>-15</sup>
Methane Gas Permeability (Kgas) (ml/m <sup>2</sup> /s)	8.527 x 10 <sup>-9</sup>

NB: The Methane gas permeability values gained by the test method can also be used for Radon gas permeability values.

\* Full gas permeability test certificate available to download at [tritonsystems.co.uk](http://tritonsystems.co.uk)



TTVM used as primary waterproofing layer on external basement roof



TTVM used in combination with cavity drain membranes to waterproof floor in retrofit basement



## PLATON STOP

- Damp proof underlay for wood and laminate floors
- No need for concrete slab to dry
- Can be laid on new or existing concrete with RH 95%
- Three times more water vapour resistance than film membranes
- Fast, single application
- Impact sound reduction up to 19dB
- Exceptional strength and tear resistance
- Construction height 2.5mm

Platon Stop provides an effective, single application damp proof underlay for all types of wood and laminate floors laid on concrete, including glue free flooring systems. It is equally effective for renovation or new build projects and the tough polypropylene membrane can be laid directly on to a new concrete slab as soon as it is dry enough to walk on. With three times more vapour resistance than film membranes, it eliminates the need to install a foam underlay.

Platon Stop can be fixed with damp resistant adhesive tape or butyl rubber strip. The wooden flooring can be installed immediately.

### Under Floor Heating

Platon Stop is suitable for installation with conventional warm water, low voltage and some high voltage under floor heating systems.

### Specification:

Please refer to Triton's technical team.

### Technical Data:

Roll size	1.25 x 15m x 2.0mm 2.05 x 2.0m x 2.0mm
Construction height	Approximately 2.5mm
Raw material	PP (polypropylene)
Colour	Blue
Material thickness	0.5mm
Weight	450g/m <sup>2</sup>
Water vapour resistance	1500 m <sup>2</sup> .s.GPa/kg, or 300 m equivalent air layer
Impact sound deadening	Approximately 17dB (with 14 mm parquet) Approximately 19dB (with 7mm laminate)
Shock cushioning	Approximately 20% (DIN 18032 part 2)
Thermal conductivity	Approximately 0.22 W/m.K
Flammability	B2 (DIN 4102)



n55Plus

# Flooring products for preparation and repair

## FLOOR LEVELLING COMPOUND/ LATEX MODIFIED FLOOR LEVELLING COMPOUND

Designed for the preparation of sound sub floors ready for the installation of floor coverings on both absorbent and non-absorbent surfaces such as old adhesive residue, asphalt, steel, terrazzo, epoxy and polyester resins, and ceramics. Where added adhesion, strength and flexibility are required then the Latex Modified version (achieved by the addition of Triton LPA/Primer) should be used.

For best results a minimum overall thickness of 3mm (max 6mm) should be maintained. The compound should be sufficiently hard enough to walk on after approximately four hours. A 3mm application will be ready to receive floor coverings in approximately eight hours subject to ambient conditions. Where it has been laid over non-absorbent surfaces it should be left for a minimum of 24 hours before laying floor coverings.

### Coverage:

1 x 25kg bag = 5m<sup>2</sup> @ 3mm thickness, 3m<sup>2</sup> @ 5mm thickness.

Available in 25kgs bags as dry powder. To produce the Latex Modified version, add 5 litres of Triton LPA/Primer to 25kg Triton Floor Levelling Compound.

### NBS Specification:

M40, 460, M50 Stone/concrete/quarry/ceramic tiling/mosaic,  
M50 Rubber/plastics/cork/lino/carpet tiling/sheeting

## TRITON LPA/PRIMER

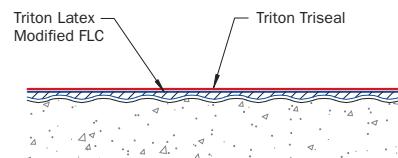
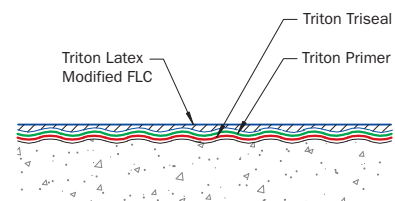
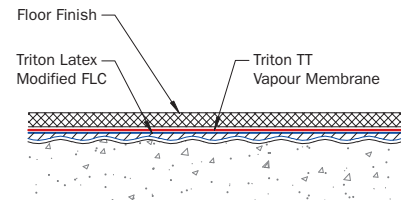
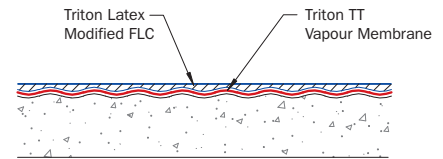
Triton LPA/Primer is a ready to use emulsion for use as a surface primer for Triton Repair Mortar, Triton Floor Levelling Compound, Triton TT Vapour Membrane and Triton Roofing Compound.

Available in 5 litre packs.

## TRITON REPAIR MORTAR

A pre-packed modified cement based repair mortar for use with concrete, render and screed repairs. Triton LPA/Primer can be used as a primer to the repair area as well as a gauging solution for mixing the Triton Repair Mortar to enhance the flexural strength of the mix.

Available in 10 kg packs.



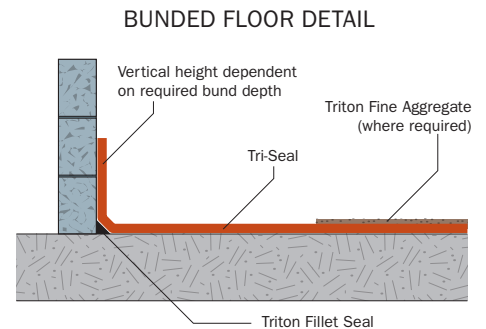
Floor in new build retail unit showing Triton TT Vapour Membrane used as the waterproofing layer, covered with Floor Levelling Compound incorporating Triton LPA/Primer for extra strength.



## TRITON FILLET SEAL

A pre-packed, cement based and polymer modified product designed to reinforce floor to wall junctions particularly where Tri-Seal or TT Vapour Membrane are used in banded situations. The Fillet Seal helps to ensure a smooth transition between horizontal and vertical surfaces and minimizes the risk of leaving gaps or holes unsealed during waterproofing works. Normally Fillet Seal need only be mixed with clean water, but where extra adhesion or flexibility is required Triton SBR or Triton TTME admixes may be used respectively.

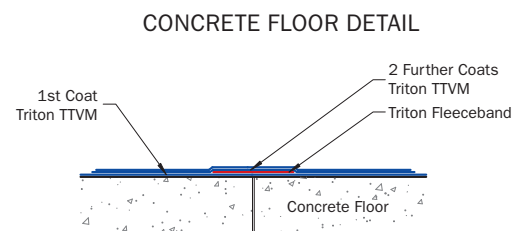
Available in 25kg bags.



## TRITON FLEECE BAND

Triton Fleece Band is a reinforcing fabric designed for use with liquid applied waterproofing systems such as Triton TT Vapour Membrane. It is ideal for use to reinforce areas such as corners, edges and junctions as well as for the treatment of cracks in conjunction with the liquid membrane.

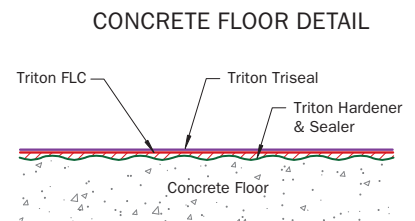
Available in 1m x 100m and 300mm x 100m rolls.



## TRITON HARDENER & SEALER

Once applied to a concrete surface, this unique water based product increases surface abrasion resistance, dust proofs and hardens and seals the surface. Normally just one coat is required. Typical applications would include concrete bunding areas, large concrete areas such as underground car parks and for hardening concrete that requires after trades. Triton Hardener & Sealer also provides an effective anti lime coating to new concrete in cavity drain systems. Application can be made by brush, broom or spray.

Available in 25kg drums.



## TRITON TRIFIX

Triton Trifix is a two component epoxy resin adhesive system formulated for use with twin component side by side cartridges. A solvent free formulation, it does not slump and cures in cold, damp conditions. Trifix is designed as an adhesive for bonding and anchoring most building materials e.g. brick, stone, steel, mortar and timber. Once cured it creates a strong stress free joint regardless of the surrounding environment.

Available in 400ml side by side cartridges.





### Guarantees

Triton approved contractors have access to TUG Insurance Backed Guarantees which are issued for a maximum of 30 years and which cover wall tie replacement, below ground waterproofing and damp and timber treatment. The TUG Insurance Backed Guarantee provides peace of mind to clients by coming into force in the event of the approved contractor ceasing to trade.

Triton also issues its own guarantees to cover the performance of Triton products plus the workmanship of the Triton Approved Contractor. These are designed for contractors who do not issue their own company guarantees. Triton Guarantees are valid for up to 30 years from date of completion of the works (up to 10 years for below ground waterproofing).

Visit [www.tug.uk.com](http://www.tug.uk.com) to apply for Triton Approved Contractor status and to download the guarantee application forms.



### Also available from Triton

- Flood Resilience/Restoration
- Replacement Cavity Wall Ties
- Protective Coatings, Structural Repair
- Timber Preservation and Repair
- Green Roof Systems
- Radon (ground gas) Barrier Systems
- Concrete Waterproofing – Type A Barrier Protection
- Concrete Waterproofing – Type B Integral
- Concrete Waterproofing – Type C Cavity Drain
- Condensation Control Systems

**Triton**  
Certificate of Guarantee

Triton Approved Contractor  
"The Contractor"

Client & Address of Property  
"The Property"

Completion Date: \_\_\_\_\_ Contract/Specification No: \_\_\_\_\_

(a) Masonry  (b) Plasterwork  (c) Timber Treatment   
 (d) Masonry and Timber

The Contractor issues this Guarantee in respect of work carried out under the terms of the Contract mentioned above and subject to the terms and conditions set out below.

The Contractor hereby Guarantees for a period of \_\_\_\_\_ years from the date of completion of the works in the said property that in the case of the following:

- (1) That in the event of any construction or requirement of Rising Damp in any of the walls treated against such Rising Damp by The Contractor, or
- (2) That any defect be found in re-plastering work carried out in conjunction with the said Rising Damp work by The Contractor, or
- (3) That in the event of any reinfestation or attack by Wood Boring Insects in any of the timbers treated by The Contractor, or
- (4) That in the event of any further active Masonry Pests being located within areas specified and treated by The Contractor, or
- (5) That in the event of a suspected failure of the remedial work the Guarantee will be maintained in accordance with the Contract, or
- (6) That the Contractor warrants that the Remedial Work will meet the requirements of BS5521:2009 - "Masonry and Timber in Existing Construction", published 2009, and will not decay or corrode within the warranty period.
- (7) That the Contractor reserves the right to change the specification of the work to suit without notification.

The Contractor will upon request of the named surveyor, the survey report, estimate and all other relevant documents and upon production of the Guarantee Certificate, replace bricks, mortar or masonry as a remedy, complete the work and if necessary carry out additional works required to remedy any defect in the original work without further charge, subject to the terms and conditions covered.

This Chemical Manufacturing Company Limited hereby Guarantees that provided the original works are carried out in accordance with the above specifications should any further work to the property be necessary under the Contractor Guarantee due to the defective quality of any approved Plaster Products used in the original treatment, there will be no charge to the approved Contractor for those products necessary for such treatment.

In the event of transfer of ownership of the property covered by this Guarantee the Contractor is requested upon application to recognise the successor in the title to the property as the beneficiary of the unexpired term of the Guarantee.



### Triton Systems

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Triton Chemical Manufacturing Co Ltd trading as Triton Systems