

Waterproofing Systems Cementitious

- Type A Barrier Protection in accordance with BS 8102 (2009)
- Cementitious coatings and in-depth crystallisation systems
- Suitable for new and existing concrete structures



About Triton Systems

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.

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/living roofs. More details can be found at tritonsystems.co.uk/training

Concrete Waterproofing Systems Type A Barrier Protection – Cementitious

The products described in this brochure are for the protection and waterproofing of new or existing concrete structures. The range includes cementitious coatings and in-depth crystallisation systems. For Type A Liquid Applied and Bonded waterproofing systems please refer to our separate brochures.

Integral Waterproofing

Triton also provides a range of integral waterproofing additives and associated products to achieve waterproofing that conforms to BS 8102 (2009) Type B – Integral Protection. Further information can be found in Triton's brochure entitled 'Concrete Waterproofing Systems – Integral Protection' which is available on request or can be downloaded at tritonsystems.co.uk

Cavity Drain Systems

Triton supplies a range of cavity drain membranes to achieve waterproofing that conforms to BS 8102 (2009) Type C. Please refer to the separate 'Cavity Drain Systems' brochure.

Ground Gas Barriers

Triton supplies systems for protection against Radon, Methane and Carbon Dioxide. A range of liquid applied and sheet membranes is available plus fans, pumps, sumps and ancillary products.



Available for download at tritonsystems.co.uk:
Material Safety Data Sheets for all Triton products
A comprehensive library of technical drawings

TRITON TT SUPER

- Surface applied concrete waterproofer
- Allows structure to breathe
- Also used in pile cap sealing

A surface applied crystalline system that waterproofs and protects concrete in depth. Triton TT Super is supplied as a powder that only needs mixing with water before application. Suitable for use in basements, on retaining walls, concrete slabs, construction joints, water retaining structures, swimming pools, reservoirs, sewage treatment plants, channels and potable water tanks.

When applied to a concrete surface, the active chemicals combine with the free lime and moisture present in the capillary tract to form insoluble crystals which block capillaries and minor shrinkage cracks and prevent any further water ingress (even under pressure). However the product still allows the passage of water vapour through the structure, allowing the concrete to 'breathe'. It also protects concrete against seawater, aggressive ground water and certain chemical solutions.

Specification:

In accordance with NBS Specification J10 – 130
Proprietary Crystallization Active Mortar. Type A Barrier
Protection in accordance with BS 8102 (2009).

Technical Data:

Withstand water pressure:	> 12 bars @ 28 days
Colour:	Cement Grey
Bulk Density:	Approx 1.25
Setting Time:	60 min

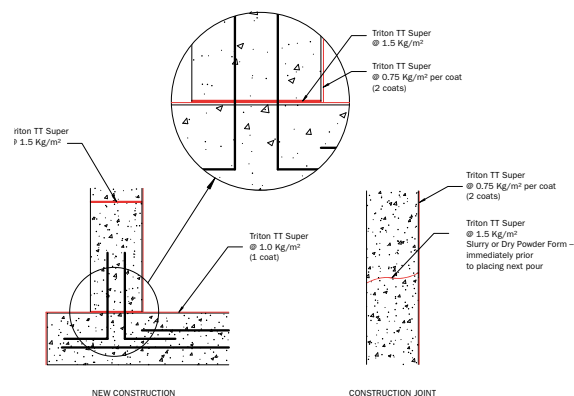
Packaging:

Supplied in 25 kg packs.

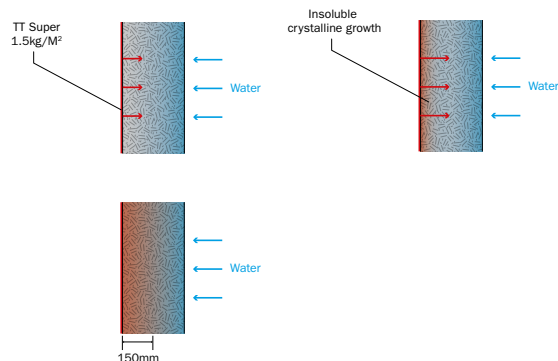


Triton TT Super can also be used in the repair of construction joints

CONCRETE WATERPROOFING NEW CONSTRUCTION USING TRITON TT SUPER



TT SUPER APPLICATION MIGRATING INTO CONCRETE TO FORM WATERPROOF BARRIER



TRITON TT55 WATERPROOF SLURRY

- Single component, polymer modified cement tanking system
- Suitable for walls and floors above and below ground
- Highly effective as a damp proof membrane
- Type A Barrier Protection as defined by BS 8102 (2009)

Triton TT55 can be applied to brickwork, concrete blockwork, concrete or any cementitious substrate. Surfaces to be treated with TT55 should be correctly prepared, free from all loose materials and contaminants and be in a sound and solid condition. For application to floors, TT55 should be applied directly to the structural slab. For masonry wall applications, TT55 should be sandwiched between sand/cement render coats. For concrete walls TT55 can be applied directly to the prepared concrete surface. Where additional flexural strength is required the addition of Triton SBR can increase the performance of TT55. Where movement/vibration is anticipated Triton TT55 ME should be used. Triton Fillet Seal should be used when forming wall/floor junctions to help ensure a smooth transition between horizontal and vertical surfaces.

Specification:

In accordance with NBS Specification J10 Cementitious Mortar Tanking/Damp Proofing 110 Proprietary Mortar. Type A Barrier Protection in accordance with BS 8102 (2009)

Technical Data:

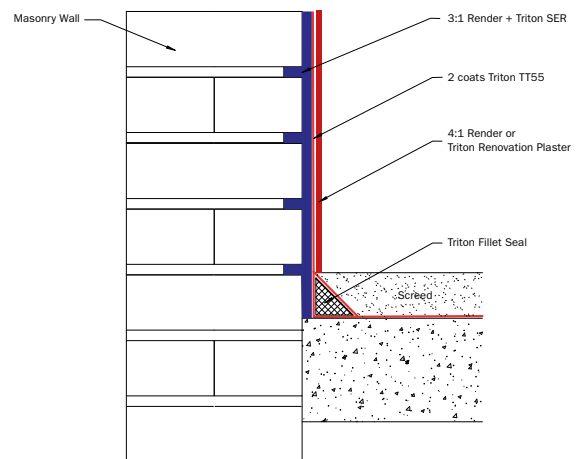
Mixed Density	2000 kg/m ³
Open Time/Working Time	25-30 minutes at 20°C
Minimum application temperature	+5°C
Maximum application temperature	+30°C
Number of coats required	Two/Three
Compressive Strength	Minimum 30 N/mm at 28 days
Adhesion	2-3 N/mm
Colour	Grey

Packaging:

Supplied in 25 kg packs.



TRITON TT55 TO MASONRY WALLS AND WALL/FLOOR DETAIL



TRITON TT55 ME

- Flexible waterproof coating system
- For use where vibration, cracking etc is anticipated

Triton TT55 ME is supplied as a system comprising Triton TT55 (a single component, polymer modified cement tanking system) and Triton TTME (a plasticiser-free dispersion).

When mixed together the system provides a flexible waterproofing coating suitable for either vertical or horizontal surfaces. It is ideal for areas that are liable to cracking or deformation of the surface, and can also be successfully used at wall/floor junctions.

10kg of TTME should be added to 25kg of TT55 and mixed thoroughly for approximately five minutes with a mechanical whisk. It can be applied by trowel, brush or mortar gun.

Specification:

In accordance with NBS Specification J10 Cementitious Mortar Tanking/Damp Proofing 110 Proprietary Mortar.

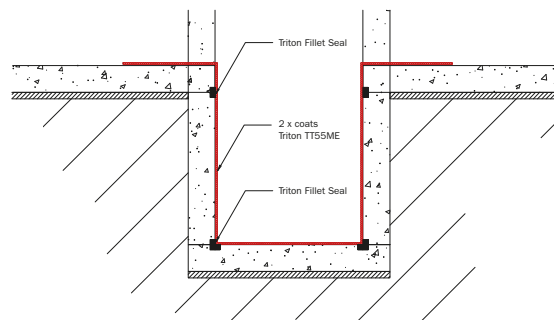
Technical Data

Mixed Density	2000 kg/m ³
Open Time/Working Time	25-30 minutes at 20°C
Minimum application temperature	+5°C
Maximum application temperature	+30°C
Number of coats required	Two/Three
Compressive Strength	Minimum 30 N/mm at 28 days
Adhesion	2-3 N/mm
Colour	Grey

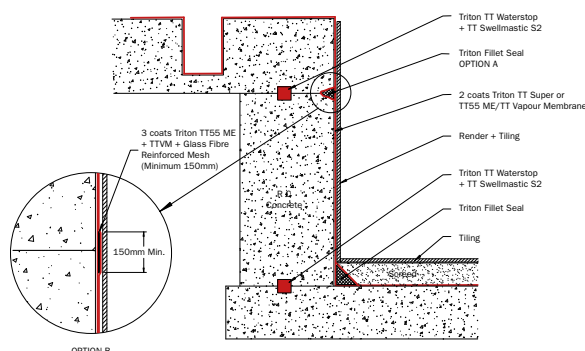
Packaging:

Supplied in 35 kg packs
(TT55 – 25 kg, TTME additive – 10 kg)

WATERPROOFING LIFT PIT



TRITON TT SUPER + TT55 ME WATERPROOFING TO CONCRETE SWIMMING POOL



TRITON FILLET SEAL

■ Wall/floor junction sealer

Triton Fillet Seal is a pre-packed, cement based and polymer modified product for use as a floor to wall junction seal during waterproofing works when using cementitious slurry coatings and renders. Fillet Seal helps to ensure a smooth transition between horizontal and vertical surfaces that minimises the risk of leaving gaps or holes unsealed during the waterproofing works.

Normally Triton Fillet Seal will only need to be mixed with clean water but where extra adhesion or flexibility is required use with Triton SBR or Triton LPA Primer.

As Triton Fillet Seal is a non-shrink product it can also be used as a repair mortar.



Packaging:

Supplied in 25 kg packs.

TRITON QUICK SET (TQS)

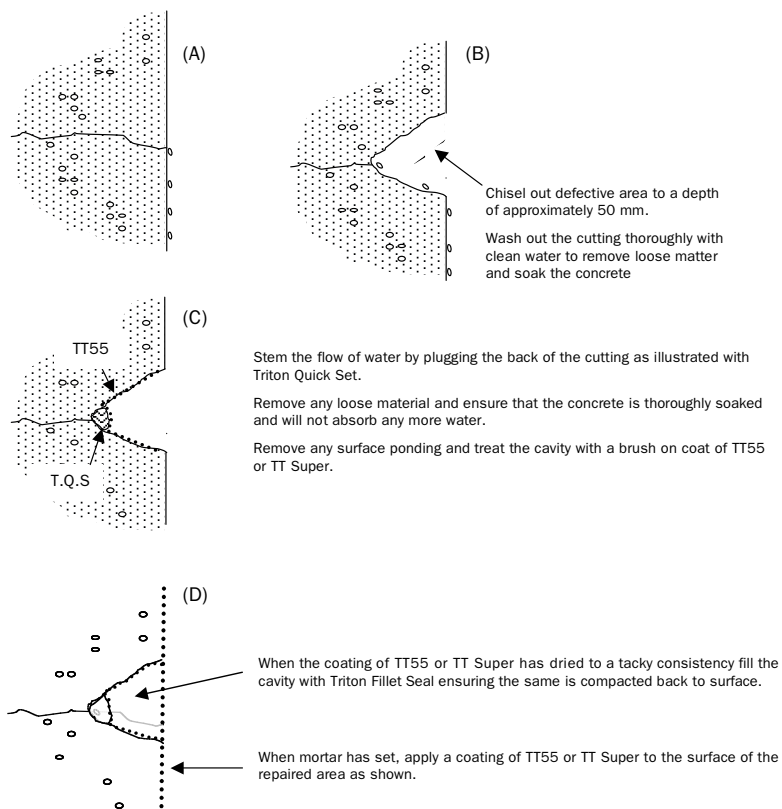
Triton Quick Set is a single component, cementitious, fast setting plugging compound. When mixed with water, TQS produces a material to stem water flow, but can also be used as a fast setting mortar repair.

Triton TQS is not a finish and should be overcoated with Triton TT55, TT Super or Triton TT Vapour Membrane.

Packaging:

Supplied in 15 kg packs.

PLUGGING SEVERE LEAKS WITH TRITON QUICK SET



TRITON SBR

Triton SBR is a latex admixture for cementitious mixes, renders, screeds and waterproof slurry coatings. Triton SBR improves the workability and durability of cement mixes, resulting in the cured material having a higher strength, density and water impermeability. Also increases flexibility and adhesive bond of a mix.

Specification:

In accordance with NBS Specification 10 Cementitious Mortar Tanking / Damp Proofing 120 Cement: Sand Mortar with Proprietary Waterproof Admixture.

Packaging:

Supplied in 5 litre and 25 litre packs.

TRITON LPA/PRIMER

Triton LPA/Primer is a ready to use emulsion that can be used as a surface primer for Triton Repair Mortar and Triton TT Vapour Membrane.

Packaging:

Supplied in 5 litre packs.

TRITON REPAIR MORTAR

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

Typical areas of use would include repairs to honeycombed concrete, leaking construction joints (Triton Quick Set also required), spalled concrete and repairs to screeds and renders

Packaging:

Supplied in 10 kg packs.



Triton Systems supplies high performance cavity drain, watertight concrete, cementitious and liquid applied and fully bonded waterproofing systems designed to meet BS 8102 (2009). These are complemented by flooring, roofing and gas barrier systems and traditional timber preservation and damp proofing products.

Available for download at tritonsystems.co.uk:

- BIM Objects
- Booking forms for training courses and RIBA approved CPD seminars
- Technical and Material Safety Data Sheets for all Triton products
- CAD drawings for all Triton products
- Installation guides
- Product literature
- CE Marking Certificates
- Case studies



Triton Systems

Units 3 – 5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF
Tel: 01322 318830 Fax: 01322 524017 Email: info@tritonsystems.co.uk

Triton Chemical Manufacturing Co Ltd trading as Triton Systems