

Triton TT55ME Flexible Waterproofing Slurry Coating

A two component polymer modified, cement based, flexible, protective and waterproof membrane coating.



- Waterproof flexible coating
- Enhanced adhesion
- Suitable for concrete or masonry structures
- Suitable for vertical and horizontal surfaces
- Suitable for both positive and negative side waterproofing
- Suitable for: retaining walls, basements, car parks, lift pits, bund linings, balconies and terraces

Description

Triton TT55ME is a two component polymer modified cement based, flexible, protective and waterproof membrane coating. The polymer emulsion additive imparts high adhesion and flexibility along with its own high level of water resistance.

TT55ME is suitable for the internal and external waterproofing of concrete, sound brickwork and cement based elements of water retaining and water resisting structures such as basements, retaining walls, lift pits, swimming pools, construction joints, underpinning joints, balcony decks, bund linings or terraces etc.

Preparation

- All surfaces to be coated with **Triton TT55ME** must be free of all loose materials, dust, dirt, plaster, bitumen, oil, paint, etc. and of a sound nature, to maximize adhesion to the original structure. This is best achieved by sand/shot blasting, scabbling, grinding or bush hammering.
- Once the surface has been prepared it should be pressure washed to remove any remaining dust. The substrate can be damp but must be free of pooling or surface water. Running water should be stopped using Triton Quick Set (see separate data sheet).
- Pre-wet the substrate, if dry, before application. Allow the water to soak in before continuing.
- For application to concrete floors, any floor screed must be removed, back to the original slab. The slab must be sound, free from cracks or defects and capable of withstanding the tensile load that may be induced by water pressure causing up-thrust. If there is any doubt, consult a structural engineer and install a new reinforced concrete slab.

Application

- **BRICKWORK:** After preparation, apply a 10mm thick backing coat of 3:1 washed sharp sand, incorporating Sulphate resisting Portland cement and **Triton TRIMIX 1** Render Additive in the gauging water. Where hydrostatic pressure is expected, substitute **Triton SBR** for the **TRIMIX 1**. Apply the **TT55ME** mix when the render has set but is still 'green' and damp. Finish with a render coat if required.
- **CONCRETE, CONCRETE BLOCKWORK:** Prepare the substrate and pre-wet as for brick work above. Cut chases into joints and cracks and fill with **FILLET SEAL** as illustrated, or form fillets at the surface. Directly apply the **TT55ME** in two coats. Protect with screed or render if an exposed wearing surface is required.
- **COVERAGE:** **TT55ME** can be applied using trowel, brush, roller or by spray. Ensure that an even coat is applied and worked well into the texture of the substrate. Apply at a maximum rate of 4kg/sqm or 2mm thick in one application. Apply two coats at a maximum total rate of 6kg/sqm.
- **DETAILING:** Lap coats of **TT55ME** by 225mm beyond corner fillets or chases, vertically or horizontally. Reinforce the **TT55ME** over cracks using Glassfibre reinforced mesh which is embedded in the still wet initial coat. Overcoat with a further two full coats.
- **TT55ME** is suitable for use in areas which may be liable to deformation or cracking up to a maximum crack width of 0.5mm.

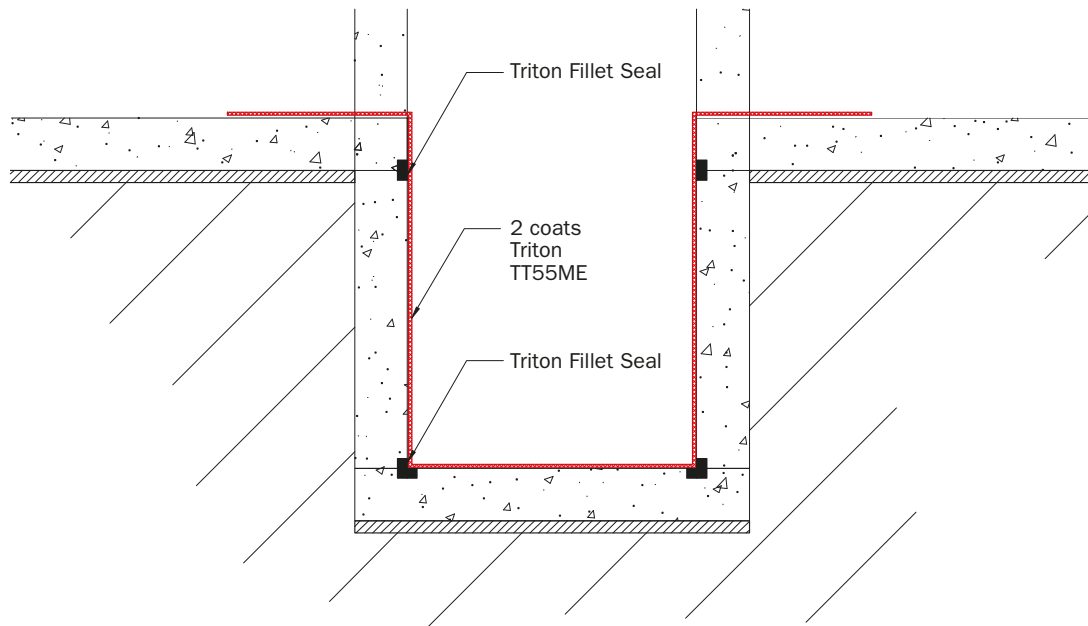
Mixing

- Place 25kg of Triton TT55 into a clean container and add a 10kg pack of TTME. Mix thoroughly using a mechanical whisk for minimum 5 minutes. Ensure that the TT55 has fully dispersed and that the mix is smooth and lump free. Re-stir as necessary to maintain workability, do not add water or more TTME. Use within 1 hour of initial mixing.

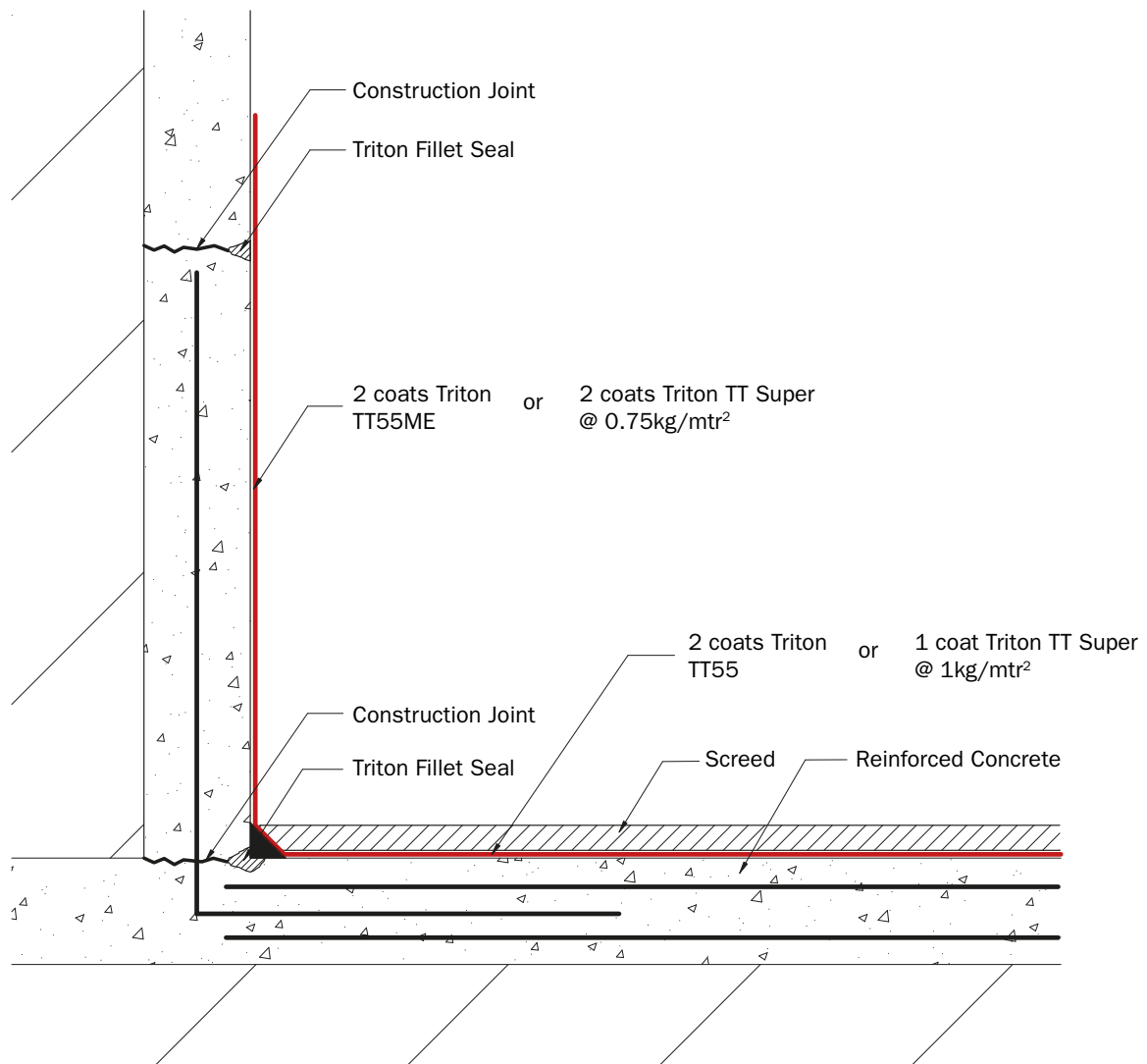
Technical data

Mixed Density:	1800 Kg/M ²
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
Comprehensive Strength:	Minimum 30N/MM at 28 Days
Adhesion:	2-3N/MM
Colour:	Grey

WATERPROOFING CONSTRUCTION JOINT



NEW OR EXISTING CONCRETE CONSTRUCTION



Storage and Handling

- Avoid breathing dust.
- Wear gloves and eye protection.
- Wash hands and exposed skin after use.
- Must be stored in dry frost-free conditions.
- If bags or tubs are stored correctly and unopened they will have shelf life for 12 months.
- Pack size 35kg – comprising 25kg **TT55 powder** and 10kg **ME**.

Curing

- During cure, suitable protection must be given to the treated areas. Cover with polythene sheeting or damp hessian if it is likely that the coating will dry out before full cure is achieved.
- Protect from direct sunlight, strong wind, rain and water splashes, until fully hardened.
- NOTE: During the initial stages of curing, condensation may form on the surface of the **TT55ME** and appear as water droplets. This 'sweating' is caused by atmospheric conditions and is not a sign of failure.

Consumption

- Two coat application – Maximum of 6kg/m² (3kg/m² per coat)
- Maximum thickness of layer 5mm.

Specification

- Conforms to Type A Barrier Protection in accordance with BS8102 (2009) Grades 1, 2 & 3.
- NBS: Clause J10 110 Cement mortar tanking / damp proofing.

Related Products

- Triton Quick Set – Rapid setting water plugging compound.
- Triton Fillet Seal – Special mortar mix for filling joints, holes etc. and for forming wall to floor junctions.
- TT Super – Crystallizing, cement based concrete coating for waterproofing and anti-lime properties.

Health & Safety

For full information consult the relevant Material Safety Data Sheet.

*For chemical resistances please contact your Triton representative.

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