Triton TT Vapour Membrane

A waterproof Radon, Methane
and CO2 Gas Barrier

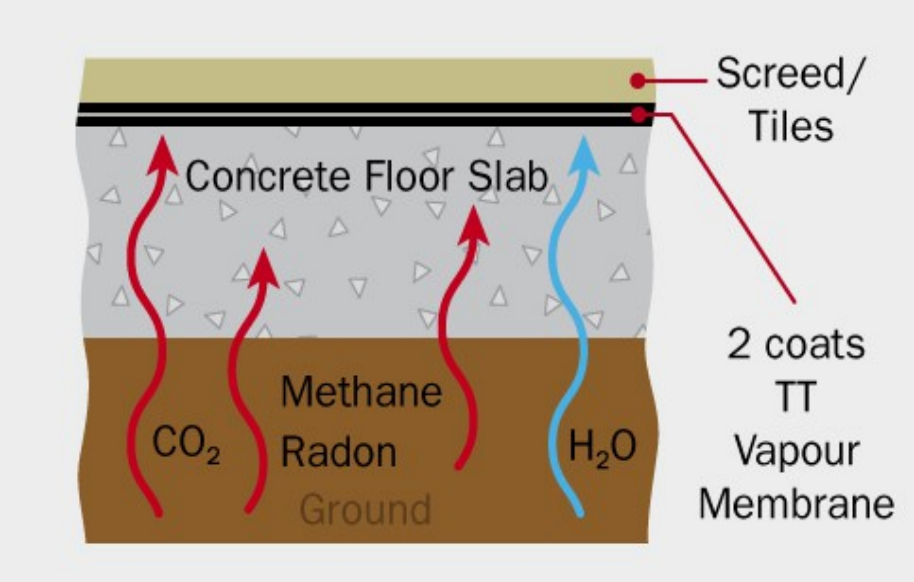
Triton TT Vapour Membrane

- A single component acrylic modified coating
- Provides a liquid applied waterproof, Radon, Methane and CO2 Barrier
- Retro applied to concrete, brick & masonry substrates

TTVM characteristics

- Waterproof and gas proof membrane
- Non toxic
- Rapid drying
- Easily repaired
- Flexible
- Good chemical resistance
- Excellent adhesion

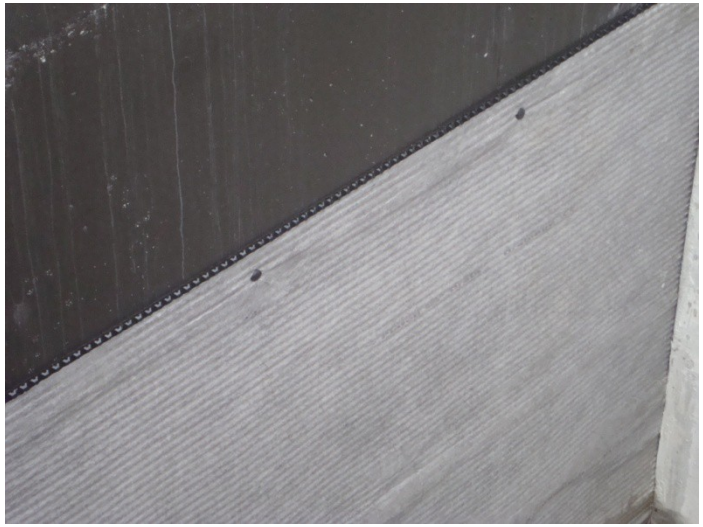
TTVM Properties



- Gas permeability (Kg)(m^2/s): 8.527 x 10-10
- Adhesion to concrete: >1.1N/mm2
- Elongation:
  ASTM D2370% >100%
- Tensile strength:
  ASTM D2370 11N/mm2
- Waterproof to 3 bar (30m head)

Areas of use

- Retaining walls
- Basements
- Car parks
- Lift pits
- Roof decks



Areas of Use

- Swimming pools
- Ponds
- Bunds / Bund walls
- Ground floor DPM / Gas barrier

Surface Preparation

- Surfaces must be clean
- Free from dust, grease, oil, paint, fungal growth
- ALL loose material removed
- Structural cracks repaired and filled
- Surfaces can be damp or “green”

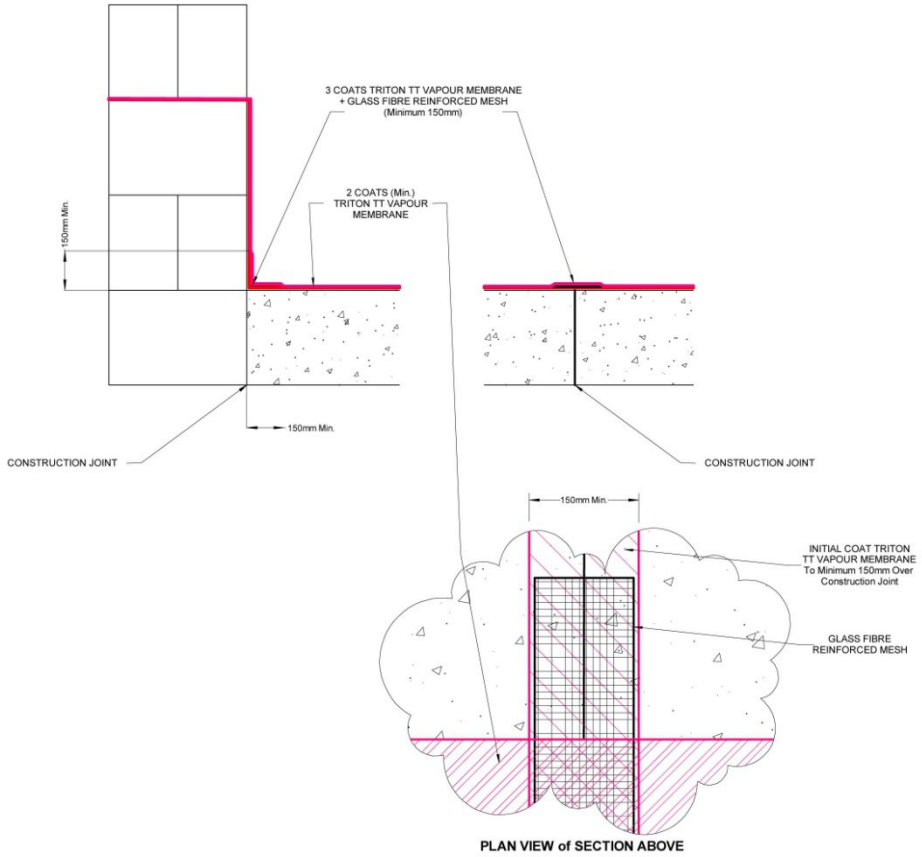
Surface Cracks

- Remove loose material
- Chase out and pack with Triton Fillet Seal
- Apply first priming coat of TTVM to 150mm width over joint
- Apply two waterproofing coats of TTVM

Surface Cracks

If crack width is small:

- Apply first priming coat of TTVM to 150mm width over crack
- Bed glass fibre reinforcing mesh into priming coat
- Overcoat with two coats TTVM

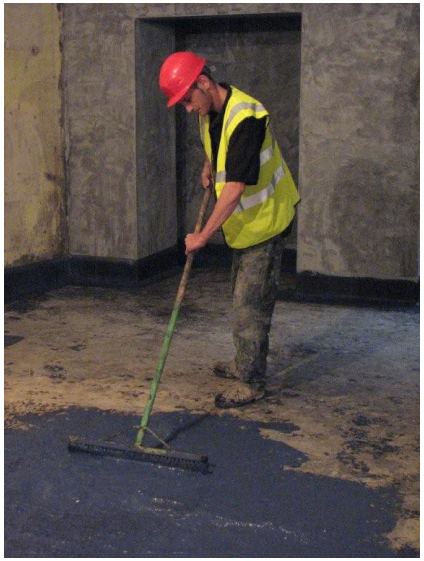


Mixing

- Although supplied ready blended, TTVM requires agitating
- Mix carefully for five minutes using slow speed paddle mixer
- If stored for more than 2 hours after opening – RE-AGITATE!

Application

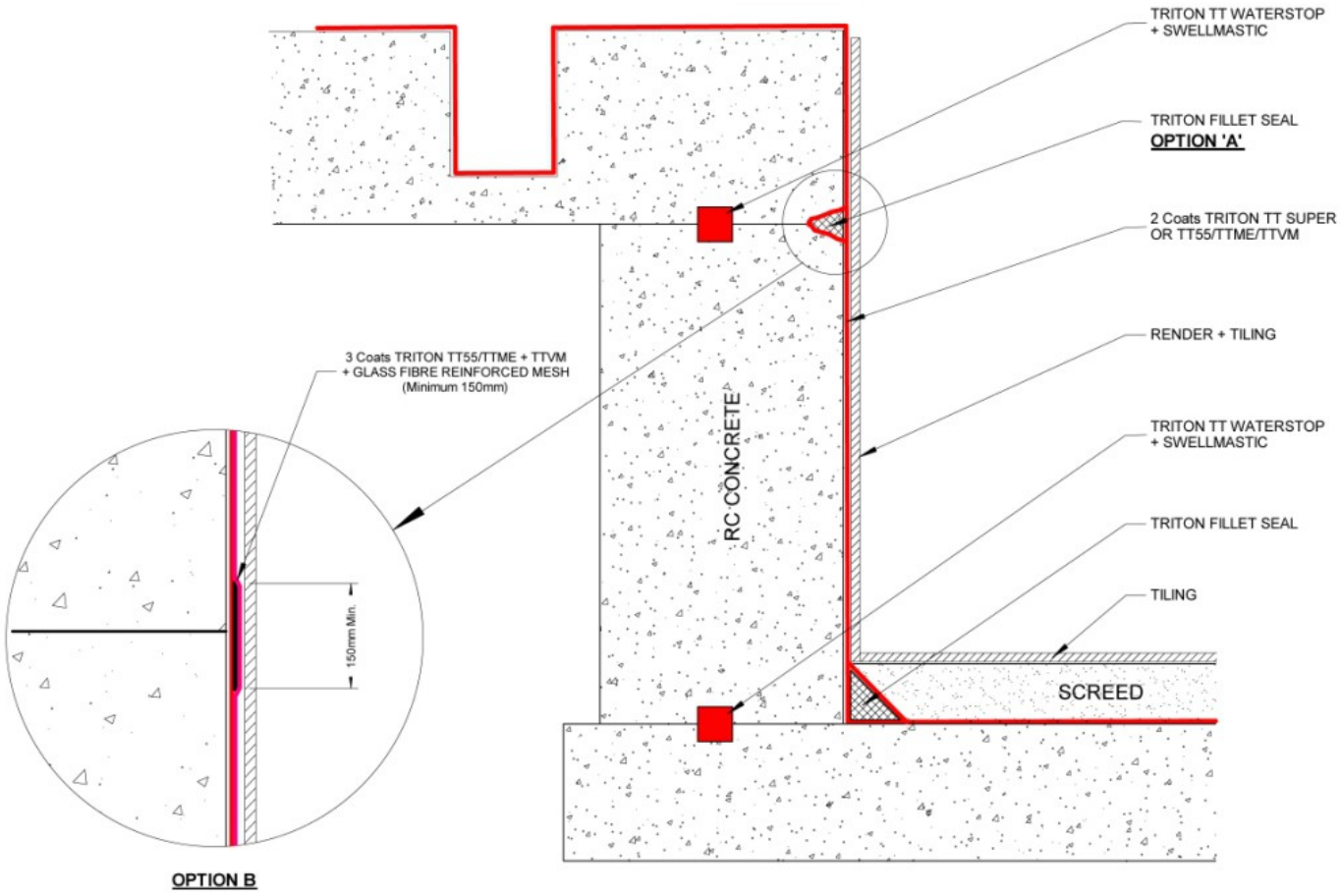
- By stiff brush, roller or airless spray
- Priming coat to cracks etc. @ 0.3lts/m2
- Two full coats required to provide effective waterproof/ gas barrier
- First coat @ 0.5lt/m2 for waterproofing OR 0.3lts/m2 for gas
- Second coat @ 0.7lts/m2 for waterproofing OR 0.5lts/m2 for gas
- Apply each coat in opposite direction to the one before
- Allow each coat to dry prior to application of next



Application

- Protect application from rain and frost
- Application should not exceed 4mm thickness
- Will only withstand temporary light trafficking

Typical Application Detail



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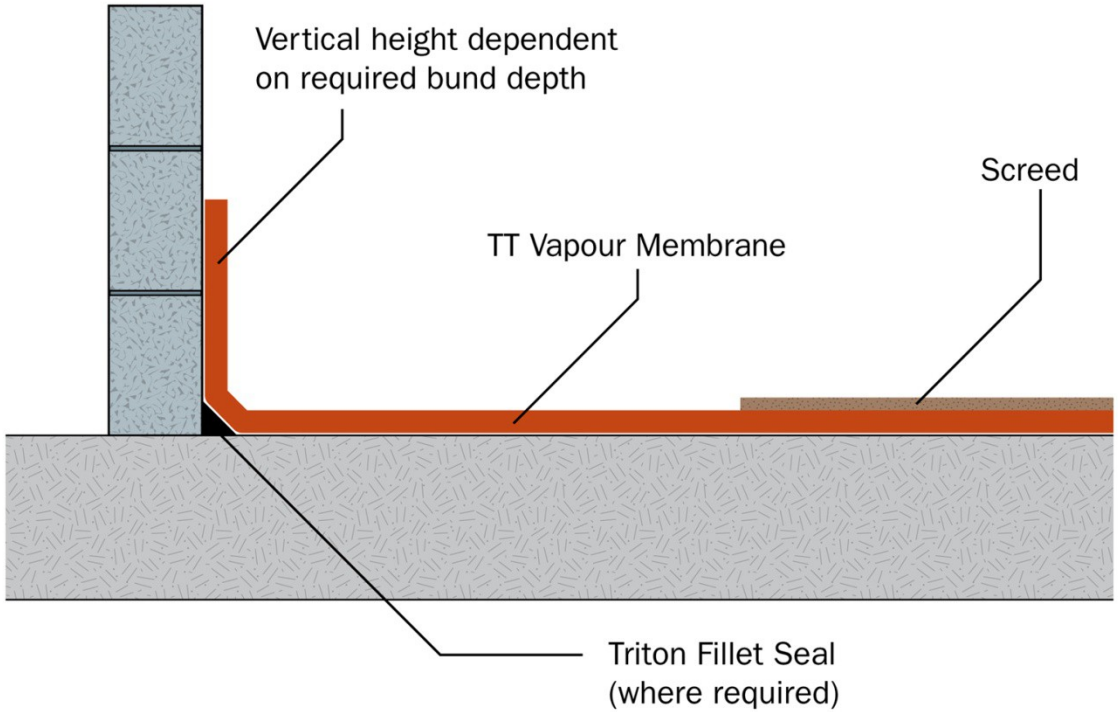
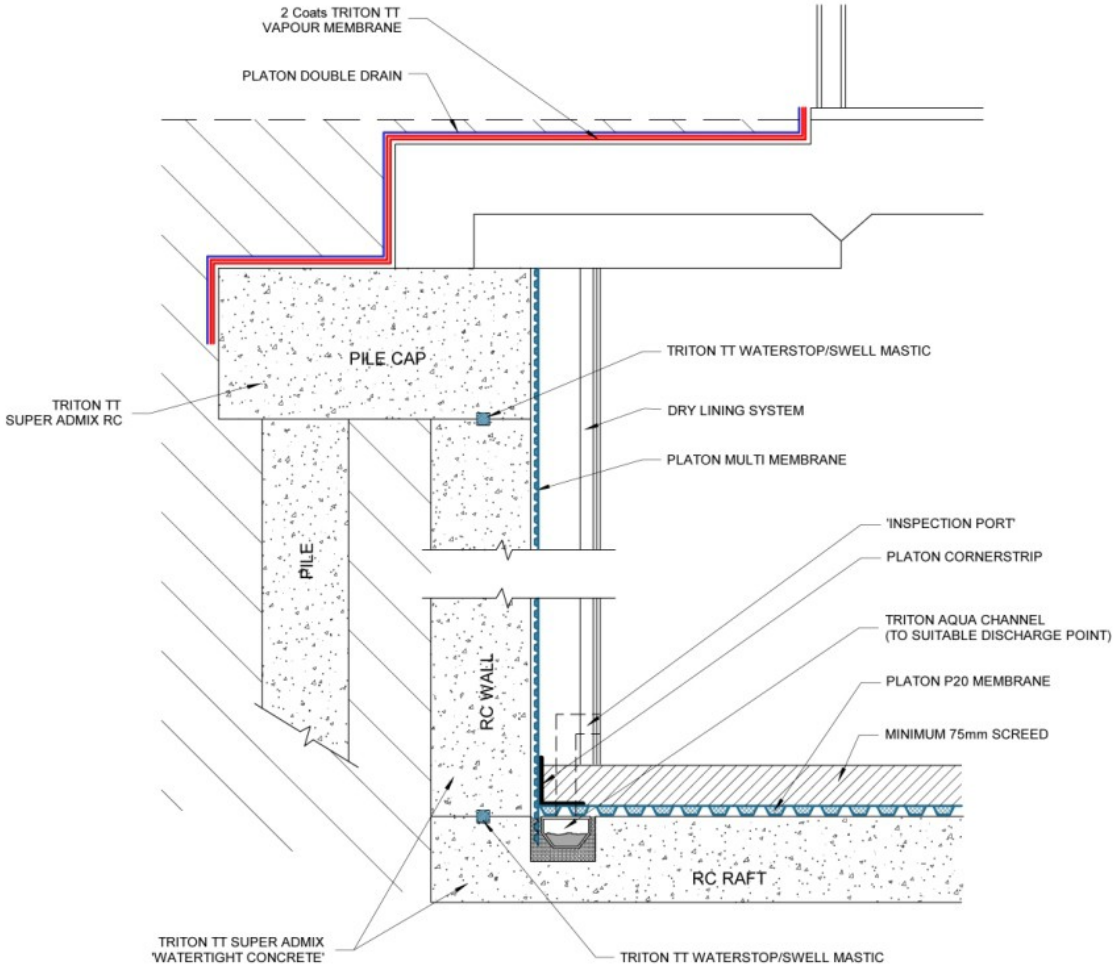


PLANT ROOM BUNDED AREA

Typical Application Detail



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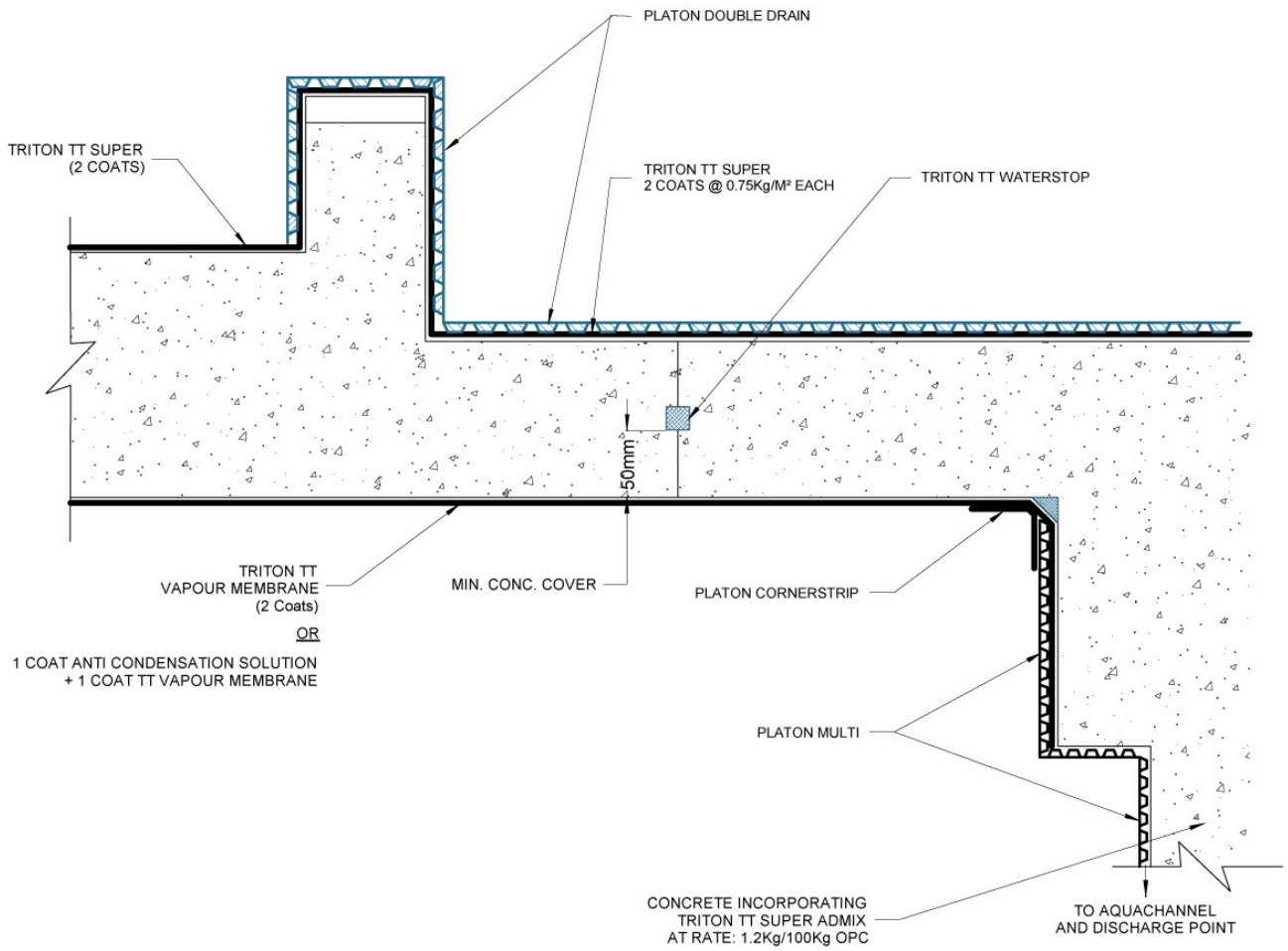

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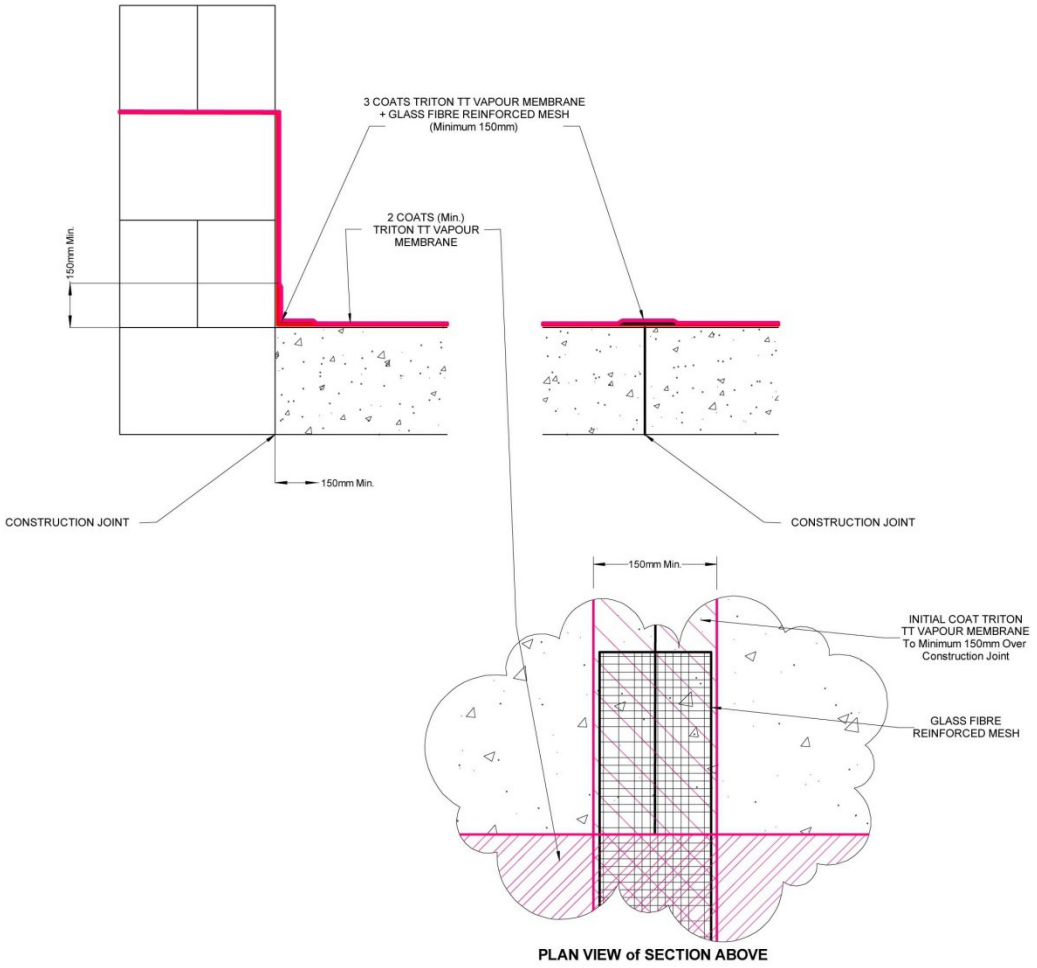

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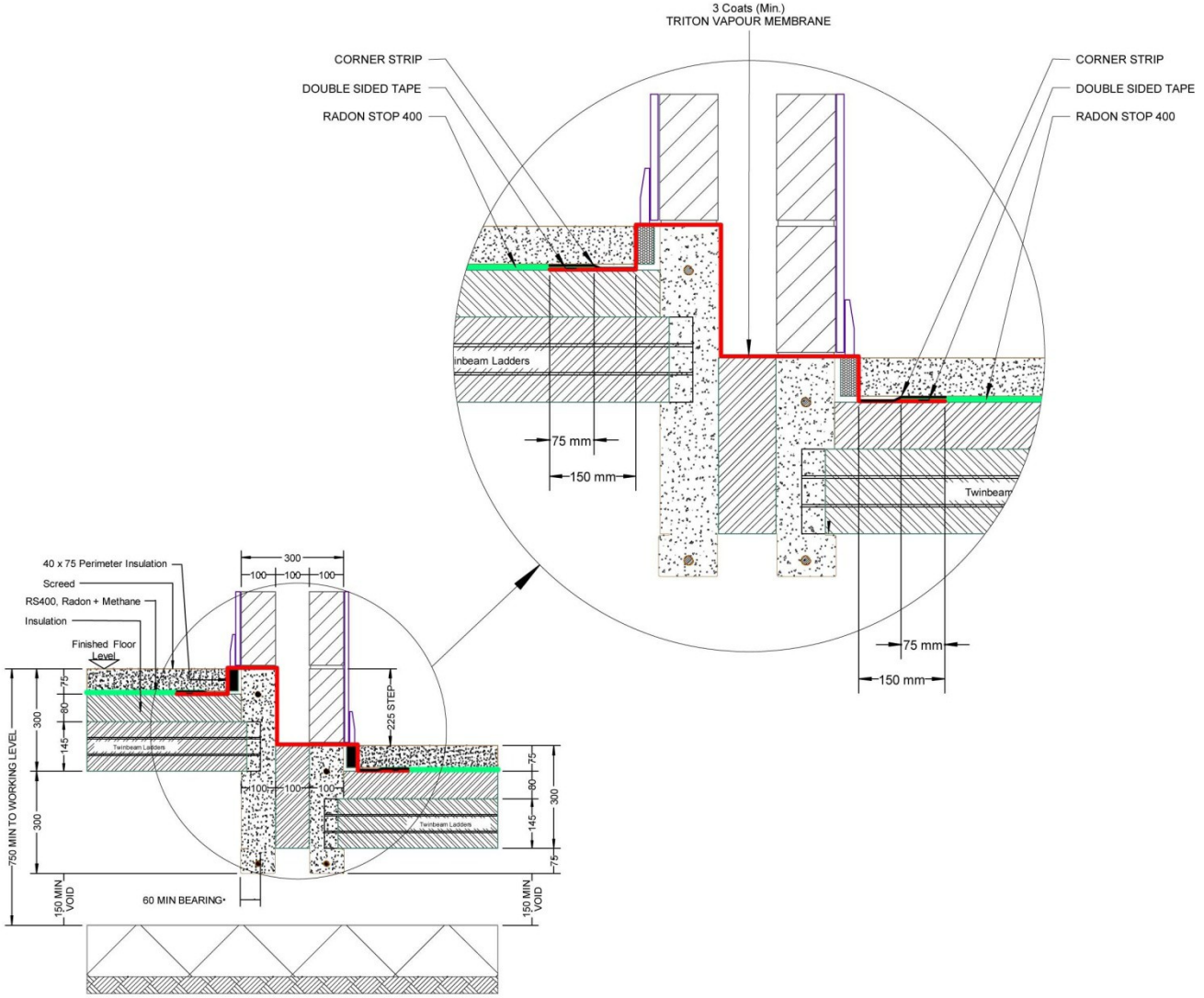

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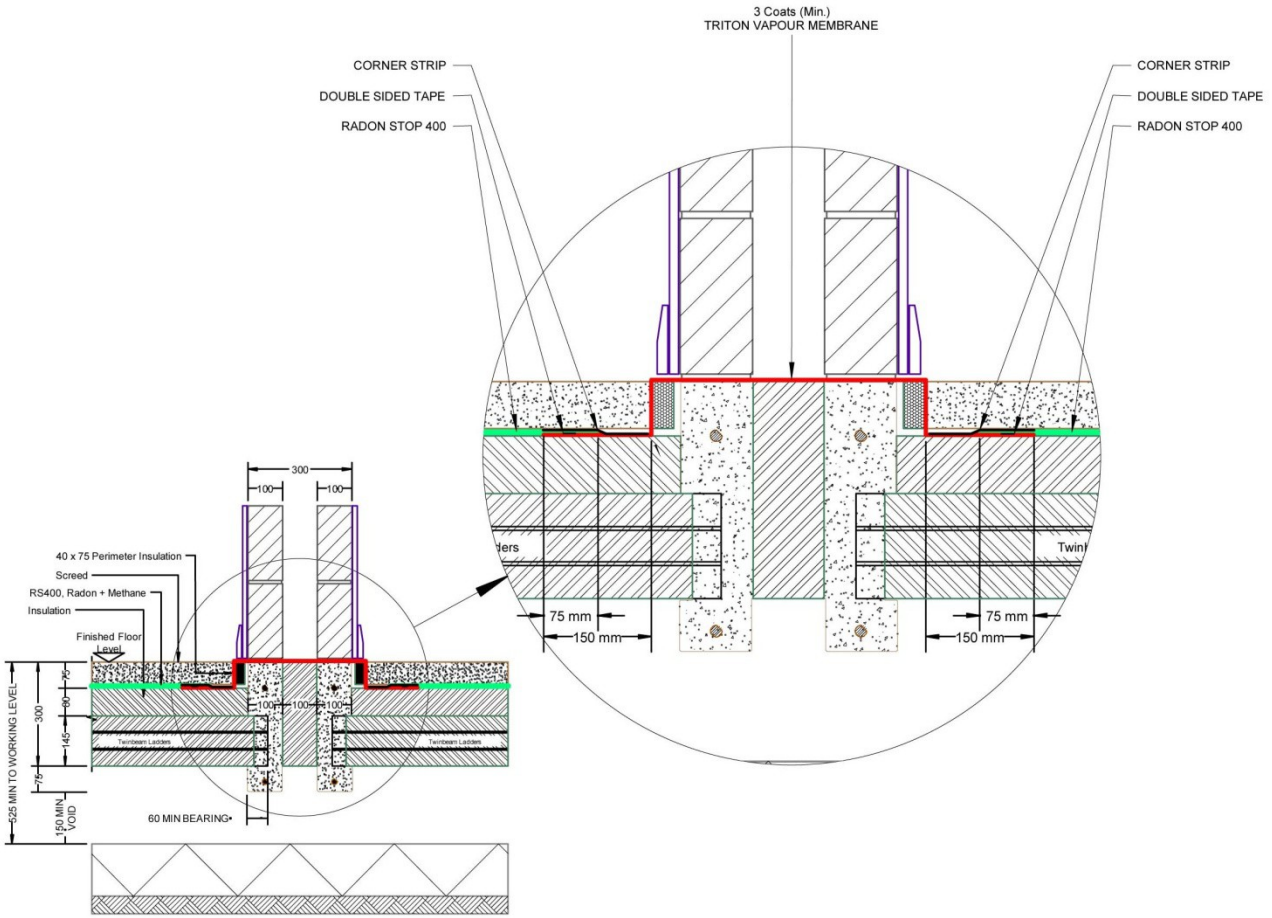


Case Studies

- Wimbledon :

  basement roof deck

- Bethnal Green Town Hall:

  basement floor

Case Studies

- Chelsea:
  basement floor

- Wentworth:
  balcony/ terrace

Project References

- MCFC Eastlands Stadium 400m2 gas barrier
- Avenue Road, London

  500m2 roof deck
- Persimmon Homes 250m2 gas barrier transition detailing
- Bethnal Green Town Hall 2000m2 waterproofing
- Goldsmiths University 600m2 roof deck

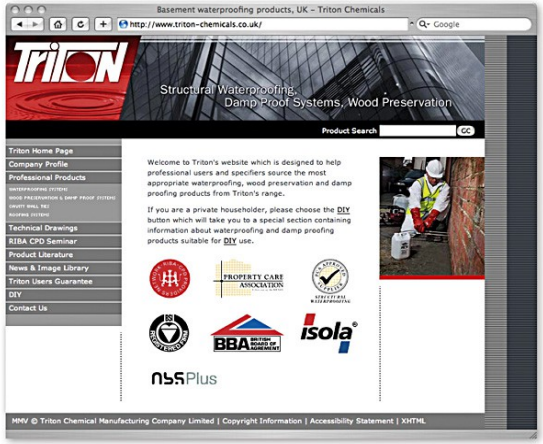
Summary

- Quick, clean, effective multi- functional product
- Fast drying
- Single component
- Waterproof
- Gas barrier
- Easy to use!

Thank you! Any Questions?

Technical helpline:

020 8310 3929



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