



Case Study

SEPTEMBER 2012

Triton supplied:

Triton TT Vapour Membrane – 400 m²

Triton Fillet Seal – 150 lm angled fillets



Triton TT Vapour Membrane formed a waterproof substrate to the walkways around the building

LANDSCAPING AT HIGH SPEC APARTMENTS WATERPROOFED BY TRITON

Ground level landscaping, walkways and balconies at a multi million pound London apartment block have been waterproofed using Triton's elastomeric TT Vapour Membrane.

The balconies to all floors were waterproofed with TTVM before finishing, and the liquid applied product was also used as a waterproofing layer below the soft landscaping and paved terrace above the residents' car park. (The car park was constructed below the block using a watertight concrete system, comprising 450 m³ of concrete waterproofed by the inclusion of Triton's TT Super Admix – a Type B waterproofing as defined by BS 8102 2009 – and Triton's associated construction joint sealing products – see separate case study).



The balconies were waterproofed with TT Vapour Membrane before finishing

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On the walkways, Triton Fillet Seal was applied to any internal angles to provide a smooth transition between horizontal and vertical surfaces that can be prone to settlement/movement and possible cracking. Then two coats of TT Vapour Membrane were applied from the earth retaining wall, across the walkway and up and over the internal concrete upstand to provide a waterproof substrate. A concrete ramp was then constructed over it leading to the entrance lobby.

A walkway at the rear of the building providing maintenance access has been treated in the same way but has a Breedon Gravel path laid over it. This gravel is a self binding type which, when compacted, knits together to form a surface that is less susceptible to spreading and separating like loose chippings. It is therefore ideal for application on cycle ways, driveways, college pathways etc as well as in residential areas. The gravel was applied over the TT Vapour Membrane which forms a fully bonded waterproofing system.

Triton TT Vapour Membrane provides an effective waterproof membrane which bonds to porous or non-porous substrates. It is flexible and can be painted, plastered or screeded over. The membrane cannot be punctured as it is fully bonded. Two coats are normally required and the fast drying time means both can usually be applied the same day. TT Vapour Membrane can be applied by brush, roller or airless spray and can also be applied to damp or 'green' substrates.

Specification:

TT Vapour Membrane – NBS Clause J30 10, 130

Liquid applied damp proofing

Fillet Seal – NBS Clause J10-110 Proprietary mortar

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The residents' basement car park extends under soft and hard landscaping outside



TT Vapour Membrane formed a waterproof layer below the terraces and landscaping



Triton products were used in the production of 450m² of watertight concrete used to construct the basement car park