



## Case Study

OCTOBER 2010

### Triton supplied:

Triject Rapid dpc, Tri-Cream, Trimix 1, Tritec 120, Fillet Seal, TT Vapour Membrane, SRM Admix



*Triton supplied a whole range of remedial treatments for the preservation of Dove Farm*

### DAMP BANISHED FROM DOVE FARM

Premier Treatments used a range of Triton's damp proofing and timber preservation treatments in the refurbishment of Dove Farm. External ground levels had been slightly raised during previous refurbishment and this had led to rising damp within the base walls. Woodworm had also affected the timber within the property internally and the migration of dampness had also affected the internal block/masonry walls and floor slab.

The rising damp within the external walls was cured by chemical injection of Triton's Triject Rapid dpc solution, which is a water-based fluid offering the performance of a solvent based system – but without the associated health and safety risks. It is injected into holes drilled into the masonry (bricks, blocks, stone) or the mortar joints, to form a continuous barrier to the passage of moisture rising from the ground. The specialised formulation allows for faster injection into most substrates, even brick, when compared to traditional water based systems.

All damp affected internal walls were injected with Triton's Tri-Cream. Tri-Cream is a unique silicone emulsion cream for the control of rising dampness and can be used to treat brickwork and other types of masonry. A key advantage is that it is rapidly delivered using hand pressure only from a simple displacement pump and injector lance into a series of holes drilled into the elected mortar course.



*New internal rendering was made water and salt resistant by the inclusion of Trimix 1. The new floor slab was water and gas proofed with a coat of TT Vapour Membrane before the screed was applied*

### Replastering

The required replastering was carried out using Triton's Trimix 1 which is a water and salt resistant additive for cement mortars. Triton Trimix 1 reduces the amount of water required to provide a more workable mix and hence produces a denser render, more likely to resist the passage of moisture and harmful salts due to rising damp. It is highly recommended for use in internal cement rendering (replastering) of walls which have received a chemical damp proof course.

### Timber treatment

All relevant timbers were treated with Triton's '1 hour re-entry' Tritec 120, which is a water based wood preservative concentrate, formulated for the in-situ treatment of timbers which are affected by wood boring insects.

### New Floor Slab

To ensure a smooth transition between the horizontal and vertical surface and to minimise the risk of leaving gaps or holes unsealed, Triton Fillet Seal was applied to all internal angles at the crucial wall/floor junctures. Triton Fillet Seal is a versatile, multi application pre-packed cement based and polymer modified product, and in this case was used as an interface/junction sealer during the waterproofing works.

As a further protection from dampness, Triton's multipurpose TT Vapour Membrane was applied directly to the concrete floor slab in a two coat application. A high performance, elastomeric liquid rubber membrane, specifically designed for waterproofing a wide range of horizontal and vertical surfaces, TT Vapour Membrane is a safe, water based compound, formulated on a styrene-butadiene co-polymer. It provides a fully bonded, puncture-proof waterproof and gas proof barrier.

To offer additional protection to the waterproof coating, a screed was applied, enhanced with the addition of Triton's SBR mix, a latex admixture for cementitious mixes which improves durability, crack resistance and allows thinner layers to be applied.

Triton approved contractor, Premier Treatments, works throughout Hertfordshire, Bedfordshire and London and specialises in treating rising damp, dry rot and woodworm, as well as offering basement waterproofing.

**Premier Treatments, Hitchin**  
**0800 783 6817**  
**[www.premier-treatments.co.uk](http://www.premier-treatments.co.uk)**

Triton Chemical Manufacturing Co. Ltd.  
Unit 5, Lyndean Industrial Estate, Abbey Wood, London SE2 9SG

Tel: 020 8310 3929  
Fax: 020 8312 0349  
Email: [info@triton-chemicals.com](mailto:info@triton-chemicals.com)

**[www.triton-chemicals.com](http://www.triton-chemicals.com)**



*TT Vapour Membrane provides a fully bonded, puncture-proof waterproof and gas proof barrier*



*Tri-Cream can be rapidly delivered using hand pressure only from a simple displacement pump and injector lance*