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A sheet membrane for bonded wooden floors

Triton has introduced a new damp proof sheet membrane, specially designed for installation underneath multi-layer bonded parquet flooring. New Platon Stop Optimal is a high strength studded membrane laminated with a special fabric and provides permanent protection for bonded floors against dampness. And, because of its unique flexible stud and air gap construction, impact noise is reduced and a more 'comfortable' cushioned surface can be achieved.

Platon Stop Optimal can be fixed to a new concrete slab as soon as it's dry enough to walk on, avoiding lengthy waiting times while the slab dries out. The membrane is bonded, stud side down, directly to the slab, with all edges and details sealed with Platon Stop tape. The wooden floor can be laid immediately, bonded directly to the membrane, ensuring a secure and permanent damp proof connection between the concrete slab and the parquet floor.



Tri-Cream now available in cartridges

Contractors now have a choice when it comes to purchasing Tri-Cream, Triton's unique silicone emulsion cream designed to control rising dampness in all types of masonry. Although still available in the original 5 litre tubs, Tri-Cream is now also available in 1 litre cartridges.



In this issue:

Cavity drain system specified for major riverside complex in Cork (pictured left)

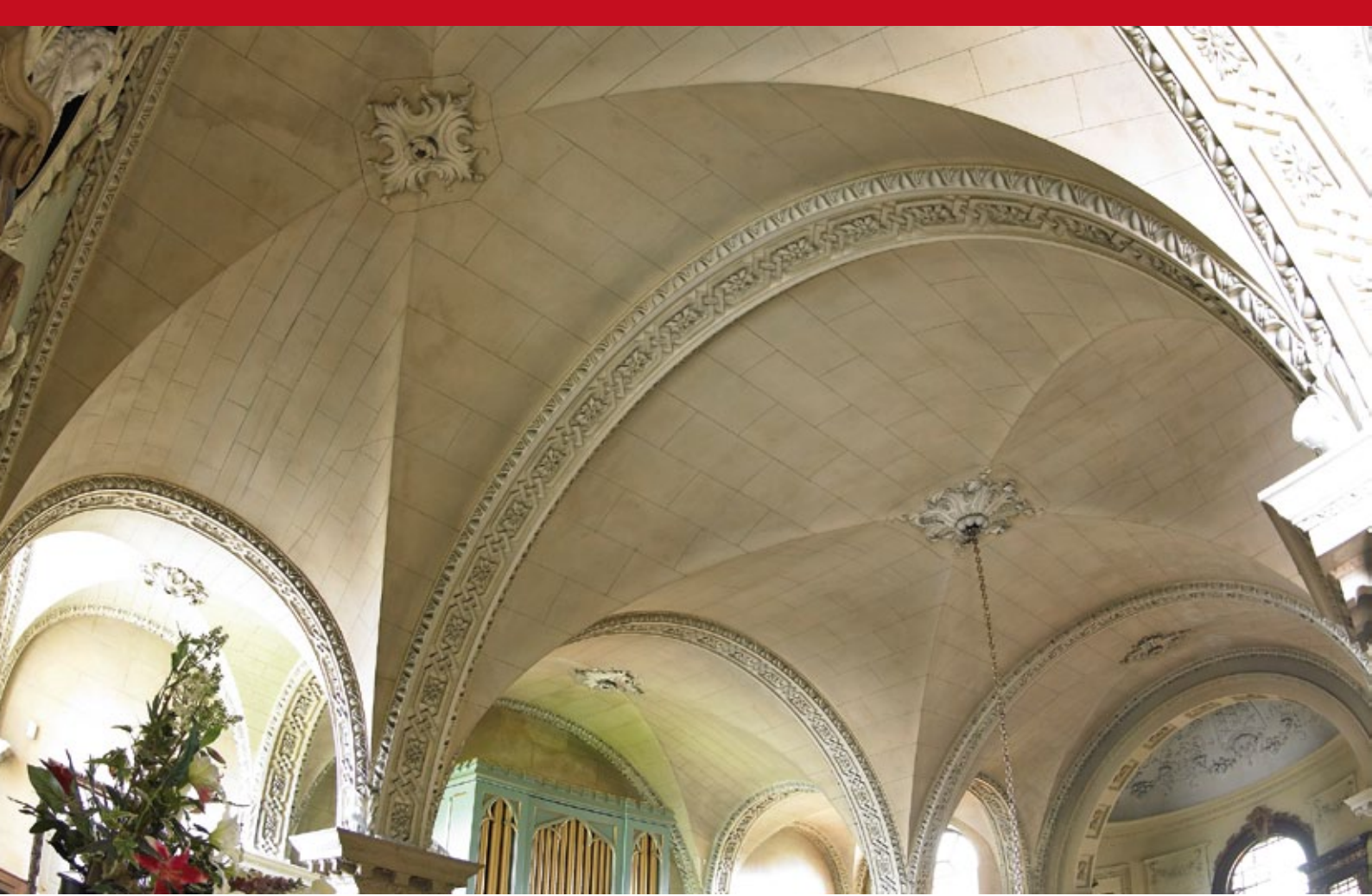
Ancient timbers preserved in Teeside almshouses

Going underground with Triton's TT concrete waterproofing systems

A Triton dpc for the Royal Military Academy site at Woolwich



NSPlus



A remarkable ceiling preserved by Tritec

Alan Magee established Thorburn Preservation in 1997. The company specialises in all types of remedial building works and uses exclusively Triton Chemical's range of damp proofing and timber preservation systems. Alan's team often works in ancient or historically interesting buildings so it was not unusual when he was summoned to Sir William Turner's Almshouses in Kirkleatham, by architect, Hugh Massey, who had spotted evidence of infestation in several ancient timbers. Built in 1676, the almshouses still provide accommodation to elderly residents in a complex of cottages, apartments and common areas which are built around a small chapel. The chapel was remodelled in 1742 and features one of the most unusual ceilings Alan had ever seen. From below, its vaulted shape appears to be of stone construction, but once in the roof space it's obvious that the ceiling is formed of curved wooden lathes which have been plastered with horse hair plaster and decorated to give the effect of stonework.

Thorburn Preservation were contracted to spray all timbers in the roof space, including the huge 12" x 18" oak baulks, the bell tower and adjoining attics.

Due to the proximity of the living accommodation, Alan recommended the use of Triton's Tritec 121, which is a completely non-hazardous water based system, designed to treat all types of timber affected by wood boring insects. Tritec 121 is designed to penetrate the timber very quickly and offers a one hour re-entry time.

Before he left the site Alan was also asked to spray one more item with Tritec 121 – an ancient Jack Hobbs cricket bat, which was infested with woodworm, and belonging to the late husband of an elderly resident!



Case Study:

TT systems specified for basement waterproofing in prestigious residential development...

MGA Contracts Ltd have used Triton's TT Super, a surface applied system for the waterproofing and protection of concrete in depth, to waterproof the basements of two new homes in north London. After chasing out the construction joints until sound, and flushing out with clean water, the first coat of TT Super was brushed into all joints. Triton Fillet Seal was then trowelled on to re-profile the joints and any damaged areas and to further waterproof the surface. Finally, the entire substrate, walls and floor, were sprayed with TT Super, producing two totally watertight basements which will be used as home cinemas/family rooms.

TT Super is supplied as a powder which only needs mixing with water before application on basements/retaining walls, concrete slabs, construction joints and water retaining structures such as swimming pools, reservoirs, channels and tanks. Its active chemicals combine with the free lime and moisture present in the capillary track to form insoluble crystals which block capillaries and minor shrinkage cracks to prevent any further water ingress – whilst still allowing the concrete to 'breathe'.

The two properties form part of an impressive development by Harrison Varma, and are set behind a three storey Arts and Crafts style manor which is being converted into three town houses and a duplex apartment.



...and in commercial basement refurb

MGA used further systems from Triton's TT range to waterproof the basement of a commercial building off London's Cheapside. The existing plaster (and render where it was unsound) was hacked off the walls before grit blasting the substrates where necessary and jetwashing to remove laitence. Two coats of TT55 tanking slurry were then applied, lapped on to the floor by 200mm. A wall/floor detail of Triton Fillet Seal was then applied to achieve continuity of waterproofing and to reinforce this critical juncture against water ingress. Fillet Seal is a pre-packed, cement based and polymer modified product that adds both strength and a smooth transition between horizontal and vertical substrates.

The joints around the pavement lights were sealed from above at street level and all internal angles at the joints and cracking was repaired and re-profiled using Triton Fillet Seal, overcoated with Triton's TTME incorporating fibre strips as reinforcement where necessary. TTME is ideal for areas prone to movement or vibration – expected on a busy highway like Cheapside.

The existing concrete floor was in a poor condition and the MGA team made necessary repairs prior to applying two coats of Triton's TT Vapour Membrane, overlapping the wall floor junction. TT Vapour Membrane is a ready blended coating that once cured, provides a waterproof Methane and Carbon Dioxide barrier. The basement is now a fully waterproofed utility area. The final finish to walls and floor will depend upon the eventual use of the basement, which is still undecided.



(More detailed versions of these and other case studies can be read in 'Latest News' at www.triton-chemicals.com)

Case Study:

Platon membranes waterproof riverside complex

Triton has supplied an internal cavity membrane system to waterproof the basement level of a major new retail, office and accommodation development at Halfmoon Street in Cork. The site is located just ten metres from the city's tidal River Lee. 3,000 square metres of Platon P20 has been laid to the floor and 210 linear metres of Platon Multi installed to the 5m walls of the new basement. Triton TT Vapour Membrane was also applied to the concrete slab below the P20 membrane to prevent calcification.

The Platon Multi cavity drain membrane was fixed to the sheet piling walls using an ITW nail gun with depth sensor shot, firing steel pins to a maximum depth of 8mm into the 12mm sheet piling.

The membrane system was installed by Tony O'Hea's Cork based company, Triton Conservation Systems.

The company has been involved with all types of conservation work for 25 years including dry rot treatment, timber preservation as well as structural waterproofing to basements using Platon membranes which are supplied exclusively in Ireland by John Banford of Triton Ireland Building Protection Ltd. The main contractor on this site is Bowens Construction and Triton Conservation Systems were contracted to O'Callaghan Developments.



Case Study:

Triton DPC installed at Royal Military Academy

Triton approved contractors, Cedarcare Ltd, were contracted by Durkan Ltd to inject a dpc to the brickwork of three residential blocks on the site of the former Royal Military Academy in Woolwich. The conversion of the historic Academy into luxury apartments and houses comprises a mixture of both converted and new build homes.

Harrow based Cedarcare was established 23 years ago and specialises in damp proofing, timber treatment and associated building works. The company injected a total of 478 linear metres of brickwork with Triject 3, Triton's BBA approved, water-based damp proofing liquid, which reacts with carbon dioxide to form a permanent water repellent coating within the capillaries of the masonry.



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