

Product News:

Triton pumps up its drainage system



We've introduced a new range of pumps and sumps for use in conjunction with our Platon cavity drain membranes. The range includes mains powered and battery back up systems together with the latest alarm options. Full details are available from your local Triton representative or at www.triton-chemicals.com.

CONTACT TRITON'S TECHNICAL SALES REPRESENTATIVES:

Malcolm Cook, CSSW, CRDS

N. England, N. Ireland, ROI

07971 803763

Neil Taylor

Sales Director

020 8310 3929

Paul Green, CSSW

London

07771 922131

Kevin Dodds

Business Manager

07810 885730

Graham Hughes, CSSW, CSRT

Midlands, E. Anglia

07768 350776

Steve West

South East

07836 605552

Dave Whichello, CSSW

South West

07768 350779



Triton Chemical Manufacturing Co. Ltd.

Unit 5, Lydean Industrial Estate, Abbey Wood, London SE2 9SG

Tel: 020 8310 3929 Fax: 020 8312 0349 Email: info@triton-chemicals.com

www.triton-chemicals.com

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New build basement waterproofing – A new seminar for specifiers

We've strengthened our programme of training courses for specifiers and installers with the addition of a new RIBA approved CPD seminar. The new seminar, entitled 'New Build Basement Waterproofing', focuses on the specific requirements of waterproofing in new build, below ground structures. It incorporates the requirements of the recently revised Code of Practice BS 8102 (2009) and therefore covers pre-build design considerations including the importance of site evaluation and risk assessment.

It explains how each type of waterproofing protection works (the standard defines these as Type A – barrier, Type B – structurally integrated and Type C – drained) and the benefits and disadvantages of each. It also explains why and where each type (or a combination of each type) should be specified according to individual site requirements. These explanations are supported by case study examples of actual major new build works.

We have also updated our existing RIBA approved CPD seminar on Existing Basement Waterproofing to reflect the revisions to BS 8102 (2009).

Sourcing materials from Triton

As our existing customers will know, we have huge experience in the specification of all of the above systems and can supply the components for all three types. This means that specifiers and contractors who source materials from us never find themselves having to deal with split responsibility issues.

In house expertise

As a leading supplier of waterproofing systems, Triton was represented on the committee formed to review and update BS 8102 (2009), the Code of Practice for the protection of below ground structures against water from the ground, and our sales team have more than 150 years of experience in waterproofing between them! Whether you are specifying or installing waterproofing systems you can be sure of the best possible technical support from our team as well as the most comprehensive range of high performing systems.



Case Study:

Triton systems guarantee watertight basements in luxury development

This high specification new build development in North London comprises two dwellings, each with a two level basement. The lower basement level of each property incorporates a swimming pool. A twin waterproofing system was specified with the secondary waterproofing system comprising 800m² of Platon Multi cavity drain membrane to walls, and 800m² of heavier duty Platon P20 cavity drain membrane to the lower basement floors. In areas where it was inappropriate or impossible to install a sheet membrane system (such as soffits, car lifts, roof deck and service trench between the two properties, Triton TriSeal and Triton TT Vapour Membrane were applied as alternatives. On the upper basement floor level, the cavity drain system gravity drains into the lower system and then to discharge points – in this case six sumps with double pumps in each, monitored by dual assist control panels and telemetric alarms.

Triton Approved Contractor – www.mgacontracts.co.uk



Case Study:

Combining waterproofing systems – a text book installation at Grey Coat School...

Triton products have been used to provide a Type B (integral) waterproofing system for the basement which forms part of a new build project at Grey Coat School in Westminster. The new basement will house an activity and drama studio. TT Super Admix was used to waterproof the 156m³ RC basement slab which was incorporated within C35 concrete, at a dosage rate of 4.1Kg per cubic metre of concrete. The mix was monitored and recorded by Triton's technical team and the 400mm slab was poured in one visit. TT Waterstop embedded in TT Swellseal Mastic was installed 200mm up from the foot of the piled wall to make this critical junction watertight. Phase 2 will see the installation of a Type C drained system.

Triton Approved Contractor – www.citybasements.com/www.toureenmangan.co.uk



Case Study:

...and at Goldsmiths, University of London

Triton also supplied both elements of a twin waterproofing system in the construction of the basement at the new DMC Building at Goldsmiths, University of London. The Triton watertight concrete system – the primary method of waterproofing – was backed up by a Platon cavity drain system in the 1800m² x 4.5m deep basement. Phase 1 involved the specification of Triton's TT Super Admix to produce 900m³ of watertight concrete used in the construction of the concrete capping beam to the top of the piles, the reinforced concrete liner walls and the reinforced concrete floor slab. Platon Cavity Drain Membranes were specified as the second element to provide the extra security of a twin waterproofing system. 800m² of Platon Multi, a BBA accredited, 5mm Polypropylene membrane, was applied to the walls. 1800m² of heavy duty Platon P20, a deeper studded HDPE membrane, was laid to the floors. 300 linear metres of Triton Aqua Channel (a drainage conduit fitted to the perimeter of the basement at the wall/floor junction) was laid to direct any water which may ingress behind the membrane to the sumps.

Triton Approved Contractor – www.citybasements.com/www.toureenmangan.co.uk



Case Study:

Waterproofed terrace means a dry basement below

Triton's liquid applied Triton TT Vapour Membrane and Platon Double Drain cavity drain membrane were used to waterproof the surface of a 250 m² block and beam concrete terrace constructed over a basement at a new luxury property in Surrey. As the primary waterproofer, two coats of Triton's liquid applied TT Vapour Membrane were applied over the screed. The secondary waterproofing layer was provided by the application of Platon Double Drain membrane, which provided a tough, drained protective covering to the surface. Mortar and slabs will eventually be laid over the dual waterproofing system.



Case Study:

Contractor supported by Triton's technical expertise

Triton assisted the contractor with the specification for the internal cavity drain system for this new build project, ensuring the design conformed to BS 8102 (2009) – Type C drained protection. When the outer block wall had been constructed on to the newly cast concrete slab, both wall and slab were treated with a single application of Triton TT Vapour membrane. This acted as an anti-lime coating to minimise the risk of free lime build up behind the cavity drain system which could block the pumps. The Platon membrane was then installed to the outer block wall and a cavity formed with the construction of a second leaf of blockwork. Three sumps were created in the lower basement level and Triton Aqua Channel was installed to the base of the perimeter wall, incorporating inspection ports at changes in direction to ensure the system is maintainable. Each sump was fitted with a twin Aqua Pump system, high level alarm and Aqua Pump Pro Battery Back Up Pump. Platon P20 floor membrane was then laid to all floors.



Triton Approved Contractor – Carmalor Group

Triton's Training Programme:

- RIBA approved CPD seminar – Waterproofing New Build Basements
- RIBA approved CPD seminar – Waterproofing Existing Basements
- Isola Training Day (cavity drain systems)
- Dampness in Buildings/Timber Preservation
- Waterproofing Concrete Structures/Concrete Waterproofing

More information and how to register at www.triton-chemicals.com

Also bespoke courses can be arranged. Please talk to us about your requirements.

