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Case Study

NEXT'S OXFORD STREET STORAGE SPACE TANKED BY TRITON

Specialist waterproofing systems from Triton were used to refurbish walls and soffits in the below ground storage areas at one of Next's Oxford Street stores. The systems were installed by remedial specialists, MGA Contractors Ltd, under the supervision of consultant surveyors, R & D Management.

Water and damp ingress had caused cracking and debonding of the original waterproof render particularly on the earth retaining walls in the light wells. Water was entering the building to such an extent in some areas that a temporary internal guttering system leading to plastic dustbins had been installed!

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Render cracked and debonded in light wells

Temporary guttering sytem in place

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MGA's team initially removed all the cracked render, but retained any solid material to minimise damage to the substrate. Patch repairs were then made where necessary with 3:1 sand cement render. Trimol 23 epoxy adhesive was then applied as a primer to ensure a good adhesion for the subsequent tanking system.

Before the application of the cementitious tanking system, Triton's Fillet Seal was first applied to all the wall/ceiling joints. Fillet Seal is a pre-packed cement based and polymer modified product and helps to ensure a smooth transition between horizontal and vertical surfaces. This minimises the risk of leaving gaps or holes unsealed during the waterproofing works.

Finally two coats of Triton's TT55 tanking system was applied to all soffits and walls to provide a damp proof 'membrane' layer. To accommodate the movement and vibration caused by the traffic and underground trains in the area, Triton's TTME, an elasticising additive, was incorporated into the TT55 slurry mix to form a flexible waterproofing coating which was then painted.

Triton also supplies a BBA approved cavity drain membrane system for below ground waterproofing works. However, as in this application, a TT55 system should be specified where only limited areas are to be treated or where drainage cannot be easily achieved. TT55 can also be used in combination with Triton's cavity drain membranes, most commonly where headroom is limited or where there is a flat soffit with no drainage falls.

Patch repairs with 3:1 sand cement render

After the installation of the T55 tanking system, before painting

Further press information about Triton is available from Alison Hopkinson at Hopkinson White:

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