



New-Build Terrace, Surrey

Deck Waterproofing of a New-Build Terrace

The Project

Newton Specialist Basement Contractor [CCL](#) were commissioned by Redbridge Building Contractors to design, supply and install a comprehensive structural waterproofing system to their luxury new build property in St Georges Hill in Surrey.

The Solution

CCL installed the [Newton System 500](#) internal Type C Cavity Drain Membrane system to the Type B reinforced concrete structure to provide a combined waterproofing solution as recommended for habitable accommodation in accordance with BS 8102:2009. The internal drained cavity system offers the ultimate contingency plan to capture any water ingress that may occur through the joints in the concrete structure.

The water is then pumped away using a [Newton Titan-Pro](#) sump system, complete with full battery backup protection. To offer a complete waterproofing solution, CCL designed and installed Newton Acriflex to all the interlinked balconies and terraces throughout the development.

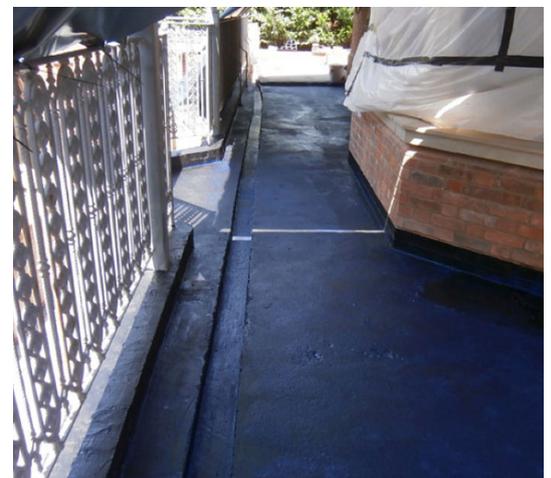
Once prepared, Newton NuSeal-LM was roller applied in two coats to act as a primer and vapour barrier. To finish, [Newton 408 DeckDrain](#) was applied over the Acriflex to protect the waterproofing layer and move away any water.

The Result

The client was provided with a comprehensive and reliable waterproofing solution that was quickly and expertly installed by CCL.



The podium deck primed with Newton NuSeal-LM.



The deck waterproofing involved some intricate detailing.



"Overall, CCL were extremely pleased with how all the elements of the water management system through to the waterproofing went especially the podium waterproofing on such a high profile project that had some extremely intricate detailing and highly specified finishes."

Jamie Tschumi, Director at CCL

The Products

CDM SYSTEM

The most reliable waterproofing solution for any space below ground, the Newton CDM System combines decades of experience with the highest quality, BBA certified membranes from Newton System 500, bespoke sump and pump configurations, back-up systems, telemetry and ancillaries.

NUSEAL-LM

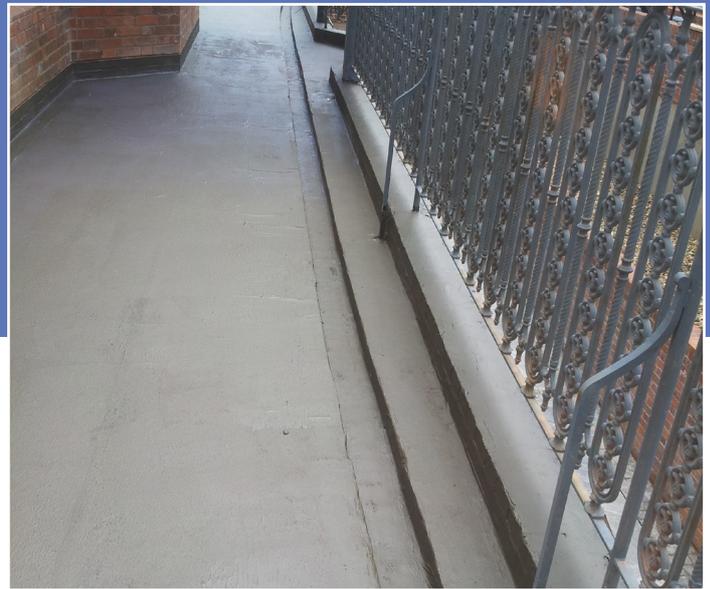
A single-component, high performance, elastomeric liquid rubber membrane specifically designed to provide a radon, gas and vapour barrier to vertical and horizontal surfaces.

408 DECKDRAIN

A double cusped, deck and flat roof drainage membrane, that incorporates a non-woven geotextile filter layer, bonded to a water impermeable high density polyethylene.

201 ACRIFLEX

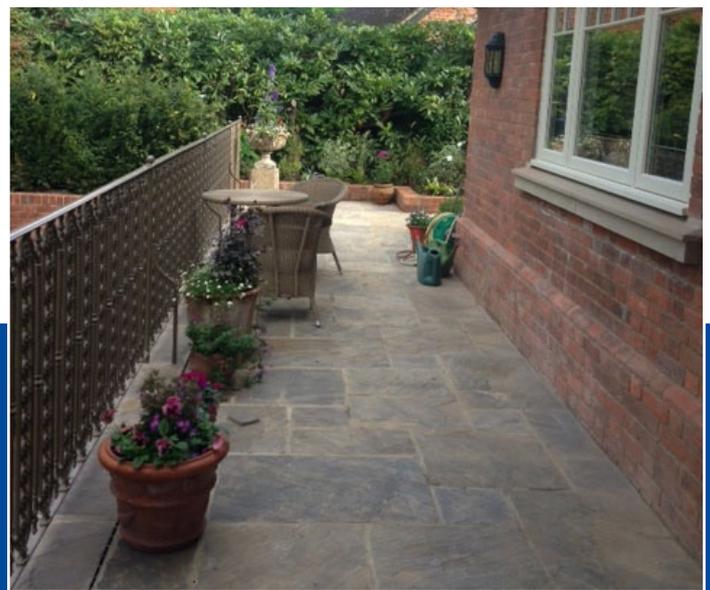
A two component waterproofing liquid membrane based on cement, water based acrylic resin, for the waterproofing of podium decks, flat roofs, balconies, parking areas and terraces.



Newton Acriflex Winter provided a seamless waterproofing membrane.



The finished terrace is completed protected from water ingress.



The completed project.

Newton Specialist Basement Contractors

Newton recommends that our systems are installed by one of our nationwide network of Newton Specialist Basement Contractors (NSBCs). Trained by Newton, NSBCs offer a full guarantee on the design and installation, and can act as Waterproofing Design Specialists.



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