



Gunwharf Quays, Portsmouth

Deck and Wall Waterproofing

The Project

As part of the 2015 refurbishment project of Gunwharf Quays, a premium retail outlet in Portsmouth, the main square was completely restored. Suspended above the underground car park, this was a significant project for Newton Waterproofing Systems to undertake.

Newton advised on the repair to the existing deck waterproofing, to waterproof new pipe penetrations, and to recommend and specify waterproofing for the retaining walls that would become a new landscape feature for the square.

The Solution

NSBC [Rubber Spray Solutions](#) prepared the exposed surfaces and applied a polyurea membrane to repair the existing deck waterproofing. Newton's cold-applied, single-component seamless waterproofing membrane [109-LM](#) was then hand-applied around the pipe penetrations to prevent water leaking into the car park below, and spray-applied to the retaining walls and adjacent deck areas to prevent water seepage into the seating areas.

[Newton 408 DeckDrain](#) drainage membrane was applied to the newly waterproofed and repaired surfaces to protect the membranes and filter and reduce the flow of water onto the primary waterproofing layer.

The Result

The paving area, grassed areas and staircases to the mezzanine levels surround the square were soon reinstated and the square was returned to its normal use as an integral part of the Gunwharf Quays shopping and leisure experience.



Newton 109-LM was quick and easy to apply.



Application was to retaining walls and adjacent deck areas.



"As a Newton Specialist Basement Contractor, we're always being kept up to date and supported with the latest product developments like 109-LM, and getting the right training for our contractors.
The liquid rubber is something we've used before, and it's always really quick and easy to apply, regardless of how it's applied or what it's being used for."

Simon Towers, Rubber Spray Solutions

The Products

109-LM

A flexible, single-component, cold-applied, seamless rubber waterproofing of basements, foundation walls, decks and flat roofs. Brush, roller or spray applied, Newton 109-LM can be applied in cool and damp conditions and without primer.

408 DeckDrain

A double cuspated, deck and flat roof drainage membrane that incorporates a polypropylene geotextile filter layer, bonded to a water impermeable high density polyethylene core.



The rubber waterproofing was hand and spray applied to the substrate.



NSBC Rubber Spray Solutions expertly installed the system.

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.



The main square was quickly restored to its intended purpose.



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