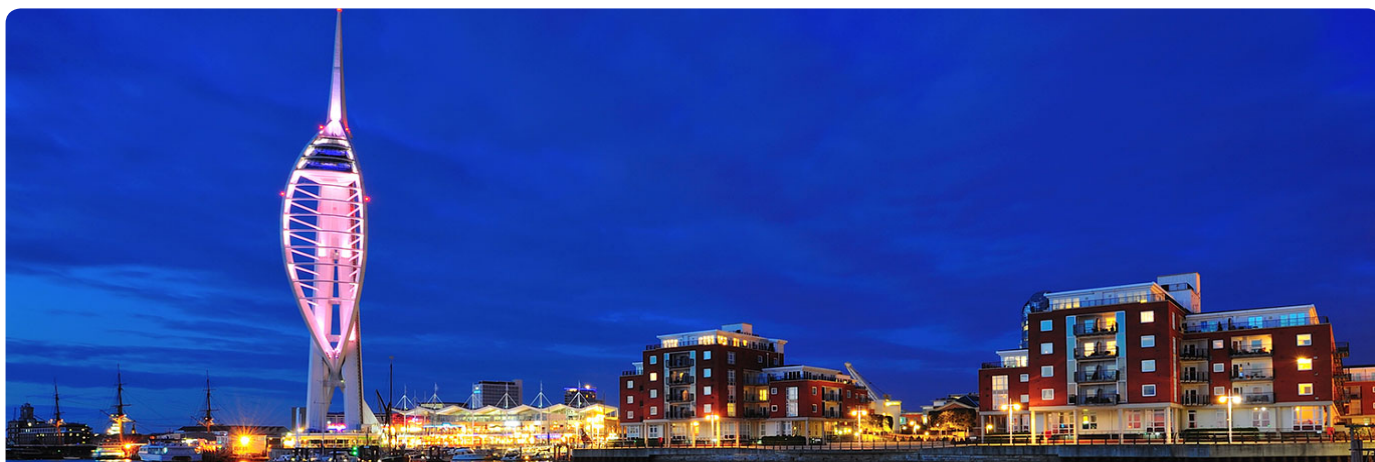


# CASE STUDY

## GUNWHARF QUAYS

### Deck and Wall Waterproofing



Deck and Wall Waterproofing at Gunwharf Quays

## Project Overview

[Gunwharf Quays](#) is a premium outlet retail destination located in Portsmouth with over 90 outlet stores, and 30 restaurants, bars and cafés. As part of the 2015 refurbishment project of the Quay, the main square, which serves as the central hub of both the retail and leisure facilities, was completely restored.

Suspended above the underground car park, this was a significant project, which included removing the stone paving in the main square in order to uncover the existing deck waterproofing below.

[Newton Waterproofing Systems](#) were asked to advise on the repair of 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 of the square, with grass banks on one side and seating areas on the other.

## Methodology

Newton Specialist Waterproofing Contractor [Rubber Spray Solutions](#) prepared the exposed surfaces and applied a polyurea membrane to repair the existing deck waterproofing. Newton's new, 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.

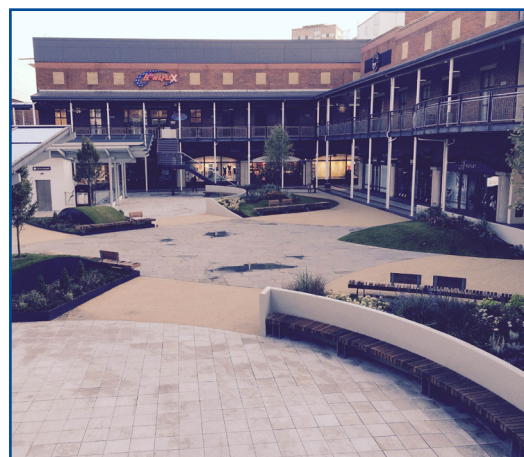
Newton [408 DeckDrain](#) drainage membrane was applied to the newly waterproofed and repaired surfaces to protect the membranes and filter and reduce the flow of water onto the primary waterproofing layer.

## Result

The paving area, grassed areas and staircases to the mezzanine levels surrounding 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.



As a single-component, cold-applied membrane, Newton 109-LM was quick and easy to apply to the retaining walls and adjacent deck areas



With all paving and finishes refurbished and reinstated, the redesigned social hub of Gunwharf Quays was restored to its intended purpose

# GUNWHARF QUAYS

## Deck and Wall Waterproofing

### Testimonial

" 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. Using the drainage membrane alongside was good for this job too, as it meant the finishes could be put back in quickly, we got the square waterproofed, and Gunwharf Quays had the area back in use pretty quickly " - Simon Towers, Rubber Spray Solutions

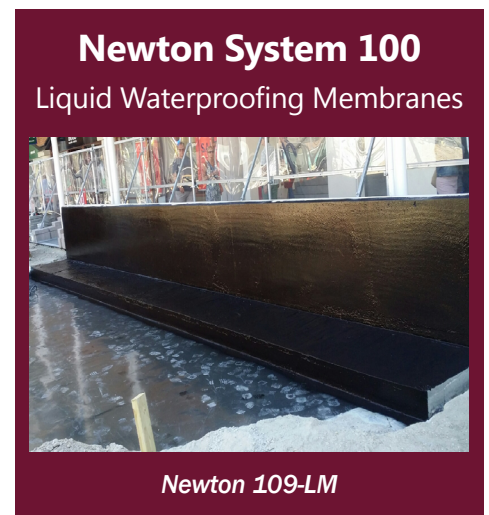
### Featured Products

#### NEWTON 109-LM

##### Seamless Rubber Waterproofing Membrane

Newton 109-LM is a flexible, single-component, cold-applied, seamless rubber waterproofing membrane with multiple uses for the external waterproofing of basements, foundation walls, decks and flat roofs. It is also adept as a detailing membrane for the termination and jointing of other Newton products, and with its high adhesive properties it is the perfect primer for adhering butyl products to concrete and mortar.

Brush, roller or spray applied, Newton 109-LM can be applied in cool and damp conditions and without a primer. It is extremely puncture resistant, with elasticity of 850% and a 95% recovery memory. The membrane becomes fully engaged into the substrate to prevent water tracking and is suitable for all below-ground and earth-retained structures, ranging from domestic basements to the largest civil engineering projects.



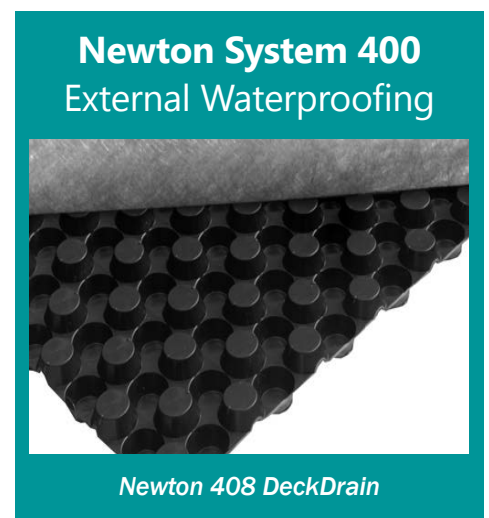
#### NEWTON 408 DECKDRAIN

##### Drainage Membrane for Decks and Flat Roofs

Newton 408 DeckDrain is a double cusped, deck and flat roof drainage membrane, that incorporates a polypropylene geotextile filter layer, bonded to a water impermeable HDPE (High Density Polyethylene) core.

The double-cusped design provides two layers of drainage; allowing primary drainage through the geotextile filter, then secondary drainage between the underside of the membrane and the primary waterproofing layer. The lower drainage layer eliminates the risk of trapped water, a problem associated with conventional, single-cusped deck membranes.

Newton 408 DeckDrain can be applied as the drainage layer above a deck, balcony or flat roof waterproofing membrane, but is also applicable as a vertical drainage layer as part of a professionally designed and installed externally applied basement waterproofing system.



### NEWTON SPECIALIST WATERPROOFING CONTRACTORS

Newton recommends that our structural waterproofing systems are installed by one of our Nationwide Network of Newton Specialist Basement Contractors (NSBC).

NSBCs have been trained by Newton and can offer full professional indemnity on design and insurance backed guarantees on the installation.

