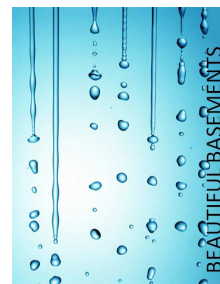


# Case Study

## Deck Waterproofing and Remedial Works – Pelham Place, London



*Client:* MRA Refurbishment



### *Background:*

Following the installation of a garden basement in London, specialist contractor MRA Refurbishment commissioned Beautiful Basements to waterproof the basement roof prior to garden installation. Works involved the creation of a sump chamber to remove excess rainwater and deck waterproofing using a proprietary bitumen product.

The project was carried out in three stages. Firstly, a sump pit in the roof void was established and modification of the existing deck to provide the required falls. During the next stage, a mortar screed was applied to the entire floor. This was embedded with reinforcing mesh to provide added stability for the waterproofing material to be applied afterwards. Surrounding planters, parapet and retaining walls were covered with Delta Geotextile.

The final stage of deck waterproofing was provided by the company's specialist spray division, National Tanking. Using Deuxan, a solvent free, thick bitumen sealant by leading waterproofing systems manufacturer Köster, the bitumen was sprayed at very high pressure onto the floor and planter bases to a thickness of 4mm. The accuracy of the high pressure spray ensures a continuous thickness and excellent adhesion across the surface reducing the potential for air bubbles and other defects. Waterproofing took place in one day and was ready for the garden installation within 48 hours.

*National Tanking is a dedicated 'Contract Only' division of award winning basement specialists Beautiful Basements. All projects carried out by National Tanking using sprayed Deuxan are fully insurance backed.*

See our time lapse video of external spraying at

[www.youtube.com](http://www.youtube.com) follow the link to <http://www.youtube.com/watch?v=qVDS-hGRLik>

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