



# Proteus Waterproofing

## Case Study: Proteus Hot Melt®, Cold Melt®

### Nash Mills Wharf, Hemel Hempstead



#### Project Brief

On the Grand Union Canal in Hemel Hempstead, the Nash Mills Wharf housing development features a range of stylish new build 1-4 bedroom houses and luxury apartments offering high quality waterside living in this Hertfordshire town.

With a waterproofing system required to protect the concrete podium above the ground floor car park, a selection of hot and cold applied products were provided by Proteus Waterproofing that met the requirements of the client Linden Homes. The licensed roofing contractor worked with Proteus Waterproofing on a dual system specification which included the fast and economical Proteus Hot-Melt waterproofing system, and for the intricate detailing around upstands and to avoid hot works around the plastic soil and vent pipes, the Cold Melt® waterproofing system was the ideal solution.

#### Key Requirements: Fast, hassle-free application

With the podium deck covering 3000m<sup>2</sup>, the Proteus Hot Melt® system was the optimum waterproofing solution for a robust, cost effective, seamless and fast application. This solution worked exceptionally well for the Licensed Contractor and is compatible with the fast applied Cold Melt® solution which

was used for high detail items including plastic soil and vent pipes and upstands. There was also the added challenge of wet brickwork and an exacting building program to keep to. To overcome this problem, Proteus isolated the wet substrate with Pro-DPM Primer (Damp Proof Primer) which can be applied to green concrete 3 days old and then followed immediately by the Proteus waterproofing system. This enabled the Cold Melt® to be installed on to the vertical elevations with no loss of time.

#### Key Requirements: Quality control

Proteus Waterproofing worked in close partnership with its Licensed Contractor to successfully deliver the project to a very high standard within the required timeframe.

#### Key Requirements: Long term performance

Incorporating recycled rubber-crumb and other organically grown products, Cold Melt® creates an elastomeric, seamless, cold applied membrane and can outlast the lifetime of the substrate on which it is installed.

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