



Proteus Waterproofing

Case Study: Proteus Cold Melt[®], Pro-Living[®] Green Roof

KBS Builders Ltd, Greenwich



Project Brief:

For the redevelopment of a former builder's yard in Greenwich into a new build block of live-work units and residential flats, the developers were looking for a roof system which would offer long term waterproofing integrity, exceptional green credentials and enhanced aesthetics. The proposed green roof system would also reduce water run-off, create a wildlife habitat and help towards securing Code for Sustainable Homes Level 4.

With a waterproofing system required to protect the concrete deck above the flats, a selection of cold-applied products were provided by Proteus Waterproofing that met the client's requirements. The specialist contractor worked with Proteus Waterproofing on a specification which included the Cold Melt[®] inverted waterproofing system, Proteus Pro-Therm XPS and finished with a Proteus Pro-Living[®] green roof.

Key Requirement: Fast, hassle-free application

The 500m² Cold Melt[®] insulated Pro-Living[®] roof system was selected by the client and contractor for its ease of installation, cold application and all-round green credentials. After the pre-cast concrete roofing panels were craned into position, the joints were made good ready to accept the Cold Melt[®] inverted roofing waterproofing system. The inverted roof system incorporated Cold Melt[®] and Proteus Pro Therm XPS 150mm insulation. A Proteus Low-K Membrane was then applied prior to the application of the Pro-Living[®] green roof to complete the system build-up.

Key Requirements: Quality control

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

Key Requirement: 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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