



Proteus Waterproofing

Case Study: Cold Melt®

Cold Melt - Bromyard House, London, W3



Project Brief:

Bromyard House, an iconic building redeveloped into residential apartments in Acton, London, required extensive refurbishment to the penthouse terraces, involving reinforcing of the plywood decks and new waterproofing.

The challenge of the roof refurbishment required a flat roof system manufacture involved at the initial roof survey and specification design stage, followed by extensive technical back-up to assist with unforeseen and unexpected situations to ensure a successful installation of the new roof systems.

Key Requirements: High Performance Waterproofing

The roof terraces demanded a waterproofing system with **BBA certification** to '0' falls and **BROOF(t4)**, the highest achievable fire rating for flat roof and balcony waterproofing systems. The fully bonded and seamless Proteus **Cold Melt®** was selected in conjunction with replacement of the combustible timber decking to a new, non-combustible porcelain tile finish.

To minimise inconvenience to the residents, **Cold Melt®** is a no odour waterproofing system.

Proteus Waterproofing worked closely with the Client and the **Proteus Approved Contractor** to ensure the installation complied with the specification design.

Key Requirements: Health & Safety

Safety on construction sites is always of the utmost importance, as well as keeping disruptions to other trades to a minimum. **Proteus Waterproofing** systems - **Cold Melt®** was selected for its high performance, phased cold installation and seamless waterproofing.

Key Requirements: Long Term Performance

Incorporating recycled rubber crumb and organically grown products, **Cold Melt®** creates an elastomeric, seamless, cold applied waterproofing membrane. The **Cold Melt®** system can include inverted roof insulation and, with or without insulation, can be designed as a paved, ballasted, green or brown roof. The membrane does not become brittle with age, is **BBA Certified** to last the design life of the roof and is **manufactured in the UK**.

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