



Proteus Waterproofing

Case Study:
Cold Melt®

Courtyard Refurbishment, DoubleTree Hilton Hotel, Rotherhithe



Project Brief:

DoubleTree Hilton Hotel located on the River Thames required refurbishment works to the courtyard areas, due to water ingress into the rooms below. The client requested a no odour, cold applied waterproofing membrane given the nature of the building. Therefore, **Cold Melt®** an inverted waterproofing system was specified, incorporating **Proteus Pro-Therm** insulation to improve the thermal performance of the building.

Key Requirements: High Performance Waterproofing

The existing membrane was first stripped back to the roof deck and the substrate was then prepared ready for the installation of the new waterproofing system. Once **Cold Melt®** had been applied decorative gravel and slabs were applied, making the courtyard trafficable and provide the client with an aesthetically pleasing finish. **Proteus Waterproofing** worked closely with the **Proteus Approved Contractor** to ensure the project was completed to a high standard.

Key Requirements: Health & Safety

When working in residential areas, such as hotels, it is crucial that disruptions are kept to a minimum. As the courtyard was located above the kitchen, it was essential that a low odour system was installed. As **Cold Melt®** has virtually no odour and is cold applied it met all the health and safety criteria needed to work on this occupied building. It also ensured that the day to day running of the hotel was not affected and the risk of fire was minimised.

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 life of the structure** and is **made in the UK**.

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