



Proteus Waterproofing

Case Study:
Cold Melt®

50 Berkeley Street, Mayfair, London



Project Brief:

50 Berkeley Street, an office building in Mayfair London, required some urgent refurbishment works to the plant room. Following a site survey and core samples, it was discovered that the existing waterproofing had failed due to areas of heavy contamination by oil spillages. **Proteus Waterproofing** was appointed to provide a new cold applied, low odour, seamless waterproofing membrane, therefore **Cold Melt®**, a cold applied alternative to **Proteus Hot Melt®** was selected.

Key Requirements: High Performance Waterproofing

The existing inverted build up needed to be removed, including from tight and limited spaces underneath the mechanical plant areas. Once these were removed, the existing waterproofing needed to be completely stripped to eliminate the spillages and oil contamination. Due to the high level of water discovered in the core sample, **Cold Melt® DPM Primer** was specified, as this was used as a coating over the cementitious surface as it posed high levels of residual moisture.

Overcoming Challenging Factors:

Complex detailing such as plinths, pipe penetrations and fixing brackets were found on the roof. This was overcome by applying **Cold Melt® UV Top Coat** to all exposed areas and installing **Cold Melt®** pitch pockets around the penetrations.

Additional Information:

A final site sign off was carried out by a **Proteus Technical Manager** to ensure all **Cold Melt®** applications met the specification and high workmanship standards. An independent electronic integrity test was carried out upon completion of the waterproofing, to determine that the waterproofing was defect free. **Proteus Pro-Therm XPS Plus** insulation was installed and finished with new paving slabs and ballast reinstated.

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