



# Proteus Waterproofing

## Case Study: Proteus Pro-System® Plus

### Bloomsbury Mansions, Russell Square, London



#### Project Brief:

Once a Government office for the Ministry of Defence, Bloomsbury Mansions is now a prestigious 1920s residential mansion block, located in Russell Square, London. The project brief required a refurbishment to the flat roofs and terrace roofs, to include the upgrading of the thermal performance above the habitable spaces.

The **Proteus Waterproofing** roof survey found the existing flat roof system to be saturated. The existing roof build-up needed to be stripped back to the roof deck, with the main challenge of the roof refurbishment being the low up-stand heights available to the penthouses. The project required a flat roof system manufacturer involved at the initial roof survey and specification design stage, followed by the manufacturers 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 terrace roofs above habitable spaces demanded a waterproofing system with **BBA certification**. The fully bonded and seamless **Pro-System® Plus** was selected for its high performance and low odour, in conjunction with **Proteus Pro-Therm Insulation** to improve the roofs thermal performance and reduce the existing condensation risk.

The flat roofs that were not above heated spaces required **Proteus Pro-System® Plus** low odour, seamless waterproofing overlay.

**Proteus Waterproofing** worked closely with the Client and the **Proteus Approved Contractor** which also acted as the Main 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 Pro-System® Plus** was selected for its high performance, low odour, phased cold installation and seamless waterproofing.

#### Key Requirements: Long Term Performance

**Proteus Pro-System® Plus** creates an elastomeric, seamless, cold applied waterproofing membrane. The **Proteus Pro-System® Plus system** can include warm roof insulation. The membrane does not become brittle with age, is **BBA Certified** with a durability statement of at least **30 years**

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