



Proteus Waterproofing

Case Study: Pro-Felt

Roof Refurbishment, Pelham House Hotel



Project Brief:

The elegant Grade II listed Pelham House Hotel is a 16th Century townhouse in Lewes, East Sussex. Once home to the Sheriff of Sussex, numerous MPs and more recently the home of East Sussex County Council prior to its transformation into a hotel, the building's roof was beginning to show signs of failure and water ingress and required replacement.

With the client looking to improve insulation and provide a new 20 year waterproofing covering, Proteus Waterproofing supplied 120mm of Pro-Therm PIR Insulation which was cold adhered over the existing asphalt to provide a 0.18 Roof U-Value whilst at the same time conforming to Building Regulations. This was then waterproofed with the Pro-Felt 20 year two layer felt system utilising the Pro-Felt Self-Adhesive/heat activated Underlay.

Key Requirement: Health and safety

Working on occupied buildings, particularly in towns and cities, safety is always of utmost importance. Proteus

Waterproofing's Licenced Contractor was equipped to meet all health and safety criteria to work on occupied buildings and minimise risk to operatives, building occupants and members of the public. The Self-Adhesive/heat activated Underlay reduces the application of heat used in the installation of the system and in turn reducing the risk of fire.

Key Requirements: High performance waterproofing

Pro-Felt is engineered with the most advanced technology in bituminous membranes available. It has class leading SBS content which allows the flexible membrane to move with the building and ensure long term durability and performance.

Key Requirements: Performance

Pro-Felt waterproofing system offers 10, 15, 20 and 25 year durability options which are also available with independently provided insurance.

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