



Proteus Waterproofing

Case Study: Proteus Pro-Felt® BUR

Roof Refurbishment, Reading



Project Brief:

A large store in Reading town centre, which formed a Head Office for a national retail clothing company required a major refurbishment to include all the flat roof areas. The existing roof coverings had been aged beyond repair and allowing water ingress into the building, resulting in damages to the existing flat roof build up. To rectify these issues, **Proteus Waterproofing** installed **Proteus Pro-Felt® Endura**, incorporating **Proteus Pro-Therm PIR** insulation.

Key Requirement: High Performance Waterproofing

The roof areas were first extended, and new concrete decks applied, adjoining the existing roof build ups. As other trades were working on the roof during the installation of the new **Proteus Waterproofing** roof systems and the roof refurbishments were applied in phases. To overcome awkward detailing, **Proteus Pro-System® Plus** was applied. As this is a cold applied liquid it meant it could be easily molded. **Proteus Waterproofing** worked closely with the **Proteus Approved Contractor** to ensure the project was completed to a high standard.

Key Requirements: Health and Safety

Due to the building being in a busy city centre, safety is always of utmost importance, as well as minimising disruptions or suspensions to businesses. **Proteus Waterproofing** promote fire safe installation methods conforming to the industry lead **Safe2Torch** guidelines and is also certified with the highest European Fire Rating **BroofT4**.

Key Requirements: Long Term Performance

Proteus Pro-Felt® is a High-Performance multi-layer bituminous membrane system, tested to perform in extreme temperatures and weather conditions. This membrane is impervious to water and will achieve a weather-tight roof. It has class leading modified bitumen content which allows the flexible membrane to move with the building and ensure long term durability and performance which is certified by the **BBA** to be in excess of 30years.

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