



Proteus Waterproofing

Case Study: Proteus Pro-Felt® Ultima Plus Fireguard

Gossops Green, Crawley



Project Brief:

Proteus Waterproofing were called to this residential block of flats located in Gossops Green, Crawley, West Sussex, where we carried out a roof survey to assess the current roof condition. Core samples showed the existing insulation was not thick enough to meet the current insulation building standards and secondly the insulation was found to be wet from water ingress. Therefore the only course of action was to strip off the roof covering and insulation, taking the roof back to the timber deck.

Key Requirements: High Performance Waterproofing

The deck was checked and found to be sound before installing a new **Proteus Pro-Felt®** Built up system, including new insulation to bring the building up to current building standards. The deck was primed with **Pro-Prime® SA**, **Proteus Pro-Felt® Self Adhesive Underlay** was then used as a vapor control layer, before a **Proteus Pro-Therm Hybrid Insulation Scheme** was fully bonded, including non combustible insulation over partition walls, **Proteus Pro-Felt® 3mm Plain Underlay** was then fully adhered to the insulation, followed by a final installation of **Proteus Pro-Felt® Ultima Plus Fireguard**.

Proteus Waterproofing worked closely with the **Proteus Approved Contractor** to ensure the project was completed to a high Standard.

Key Requirements: Health & Safety

As this building serves residential accommodation, a fire compliant product was essential for minimising risks to residents and members of the public. **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® Ultima Plus 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 30 years.

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