



Proteus Waterproofing

Case Study: Proteus Pro-Felt®

Hilton Hotel, Cobham



Project Brief:

As part of an on-going, planned flat roofs refurbishment, the Hotel flat roofs existing, ageing coverings were found to be in various state of deterioration. Following surveys by Proteus Waterproofing, some of the flat roofs were assessed to be still suitable to be overlaid, some had aged beyond economic recovery, requiring removal. **Proteus Waterproofing** were asked to design and supply a high-performance replacement, selecting the most suitable roof system from its wide range, for each roof. This phase required:

- One roof to be overlaid
- One roof to be stripped back and upgrading the roof deck by over-decking with new 18mm plywood.

Once prepared, both roofs received the new **Proteus Pro-Felt® Ultima Plus** Built Up Roof system with **Proteus Pro-Therm Insulation PIR** to deliver the required performance to comply with Building Regulations Part L and BS 6229:2018.

Key Requirements: Long Term Performance

Pro-Felt® Ultima Plus BUR offers a durable waterproofing and protection solution for new build and refurbishment projects, is **BBA** Certified and available with a range of guarantees.

Key Requirements: High Performance Waterproofing

Working on occupied buildings, safety is always of the utmost importance. **Pro-Felt® Ultima Plus** BUR system reduces risk by incorporating a cold installed, self-adhesive air vapour control to be bonded to the new plywood roof deck. **Proteus Pro-Therm Insulation** is cold bonded to the air vapour control, to comply with current **Building Regulations Part L**. The specification was prepared according to the **NFRC 'Safe2Torch'** guidelines.

Proteus Waterproofing Limited

21a Sirdar Road
Brook Road Industrial Estate
Rayleigh
Essex SS6 7XF

Tel: 01268 777 871
Email: office@proteuswaterproofing.co.uk
www.proteuswaterproofing.co.uk