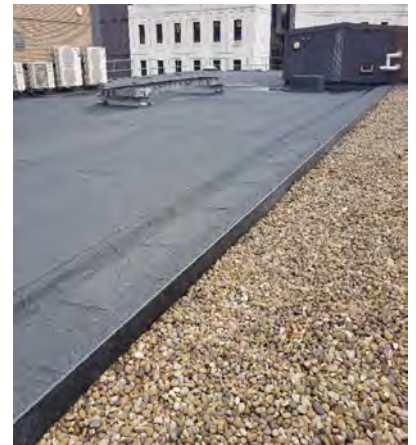




# Proteus Waterproofing

## Case Study: Cold Melt® Proteus Pro-Felt®

### Roof Refurbishments, Seax House, Essex



#### Project Brief:

Seax House, a Local Authority County Hall in Essex required some refurbishment works to a variety of roofs as the existing waterproofing had aged beyond repair. Following a site survey, **Proteus Waterproofing** provided a specification for a range of systems, including **Cold Melt®** a cold applied inverted system and **Proteus Pro-Felt® BUR**.

#### Key Requirements: Quality Control

When working on occupied or public buildings, safety is always of utmost importance, as well as keeping disruptions to a minimum. As **Cold Melt®** is no odour and cold applied this allowed the day to day operations to continue. **Proteus Waterproofing** promote fire safe installation methods, regarding the **Proteus Pro-Felt®** range, conforming to the industry lead Safe2Torch guidelines and is also certified with the highest European Fire Rating **Broof T4**.

#### Key Requirements: High Performance Waterproofing

The roof that required an inverted system was suitable to receive an overlay system, therefore **Cold Melt®**, a no odour cold applied membrane was installed combining **Proteus Pro-Therm XPS Plus** insulation. This was chosen as it had excellent lambda value and therefore met the required U-Value required. The second roof was striped back to the original asphalt and **Proteus Pro-Felt® Ultima Plus Fireguard** was installed incorporating **Proteus Pro-Therm PIR** insulation to improve the thermal performance of the roof. Proteus Waterproofing worked closely with the **Proteus Approved Contractor** to ensure the project was completed to a high standard.

#### Key Requirements: Seamless Waterproofing

**Cold Melt®** system can include inverted roof insulation and, with or without insulation, can be designed as a paved, ballasted, green or brown roof. The membrane does not become brittle with age, is **BBA Certified to last the life of the structure** and is **made in the UK**.

**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 30years**.

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