

### New Build, Charter Square, Staines upon Thames



#### Project Brief:

This new build block of residential flats in Staines upon Thames, required a waterproofing membrane to the main roof and terraces. Following a discussion with the client, **Proteus Waterproofing** specified a **Cut to Falls Scheme** with a range of **Proteus Waterproofing** products to satisfy the range of criteria, including **Cold Melt®**, a low odour cold applied membrane and **Pro-Living®** green roof.

#### Key Requirements: Terraces

As the terraces were located within a confined space and to prevent the use of hot works on site our **Cold Melt®**, a low odour cold applied inverted roof waterproofing system was used to ensure all health and safety requirements for the project were met. Due to the low threshold **Proteus Pro-Therm VIP**, a high-performance vacuum sealed insulation panel was used to overcome this.

#### Key Requirements: Main Roof

**Proteus Pro-Felt®** was applied to the main roof area. Where the podium area was a large open space and a safe environment, **Proteus Hot Melt®** was used, incorporating **Proteus Pro-Therm XPS Plus** to meet the required U-Value. To meet building regulations a **Pro-Living®** green roof was installed, providing ecological benefits. **Proteus Waterproofing** worked closely with the **Proteus Approved Contractor** to ensure the project was completed to a high standard.

#### Key Requirements: Long Term Performance

Incorporating recycled rubber crumb and organically grown products, **Cold Melt®** creates an elastomeric, seamless, cold applied waterproofing membrane. **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** and is **manufactured in the UK**.

#### Proteus Industrial Technologies Ltd.

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

Tel: 01268 777871  
Fax: 0845 2991215  
Email: [office@proteuswaterproofing.co.uk](mailto:office@proteuswaterproofing.co.uk)  
[www.proteuswaterproofing.co.uk](http://www.proteuswaterproofing.co.uk)