



# Proteus Waterproofing

## Case Study: Pro-Living®

### New Build, Cygnet Hospital, Maidstone



#### Project Brief:

Cygnet Hospital, a new state of the art medical campus based in Maidstone required a waterproofing membrane for the newly installed concrete and metal decks. **Proteus Waterproofing** applied their **Cold Melt®** membrane, to provide a seamless leak protection to the inverted roof, that was then finished with **Proteus Waterproofing's Pro-Living® Green Roof**.

#### Key Requirements: High Performance Waterproofing

Firstly, the metal deck for the main roof was prepared and overlaid with **Pro-Vapour Control SA**, a self-adhesive bituminous waterproofing membrane that forms a barrier against vapour and gases, ready for the **Proteus Pro-Therm PIR Insulation** and **Cold Melt®** waterproofing installations. **Proteus Pro-Therm PIR** is stable, rot proof and will remain effective as an insulation system for the lifetime of the waterproofing covering, making it suitable for new builds. **Cold Melt®** waterproofing was then overlaid to the main roof and upstands. The exposed areas were covered with **Cold Melt® UV Top Coat**, making the waterproofing UV stable. **Cold Melt®** provides a seamless leak protection and is cold applied, therefore removing the risk of fire. The roof was completed with a **Pro-Living® Green Roof** providing ecological benefits for the building.

#### Key Requirements: Health and Safety

When working on occupied buildings, safety is of utmost importance. **Proteus Waterproofing's Cold Melt®** system is cold applied and low odour, therefore meeting all necessary health and safety requirements. **Cold Melt®** is quick, simple and safe to apply allowing the **Proteus Approved Contractor** to successfully complete the project to a high standard within a short time frame, whilst ensuring the planned building works continued to run on schedule.

#### 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 is made in the UK, does not become brittle with age and is **BBA Certified** to last the life of the structure.

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