

### Roof refurbishment, Archer House, Gosport



#### Project Brief:

Built in the 1960s, the roof of a two storey block of flats in Gosport required a major flat roof refurbishment. Following detailed roof surveys by Proteus Waterproofing at Archer Court, the client Gosport Borough Council found that the flat roofs lacked insulation and the existing felt covering had severely degraded, requiring removal. Furthermore, the chipboard roof deck required strengthening to meet current building regulations.

Gosport Borough Council opted to remove the existing coverings and over-deck with new WBP plywood. The specification of the Proteus Pro-System® built up roof system, including Proteus Pro-Therm insulation, was the most suitable solution to extend the lifespan of the roofs within a tight budget, therefore bringing the flat roofs to current Building Regulations Part L requirements and requiring minimal maintenance.

#### Key Requirements: Health and Safety

When working on occupied buildings, especially in crowded towns and cities, safety is of paramount importance. The 800m<sup>2</sup> roof on Archer Court has a timber deck structure and other potentially flammable building materials. Using Proteus liquid applied systems

minimises the risk of fire because they are cold installed and therefore remove the risks posed by heat or open roof torch flames, consequently protecting operatives, building occupants and members of the public.

#### Key Requirements: Quality Control

Proteus Waterproofing worked with a partnering contractor closely to successfully deliver the project to a very high standard and provide the client with a long lasting solution. The roof coverings had aged and required a low maintenance waterproofing replacement. The new Proteus Pro-System® fully reinforced roof coating was also extended onto the parapets, thus introducing a seamless cap sheet without any joints and resulting in minimal roof maintenance.

#### Key Requirements: Long-term Performance and durability

Proteus Pro-System® waterproofing system offers 10, 15, 20 and 25-year durability options which are available with independently provided insurance. It is part of a range of Proteus system solutions which also includes inverted roofs, green roofs and podium decks. Proteus Pro-System® does not have any joints and minimal maintenance is now required on the roofs.

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