



Proteus Waterproofing

Case Study: Pro-BW®

Balcony Refurbishment, Montrose Court, Nottingham



Project Brief:

Montrose Court, a residential apartment block located in Nottingham required refurbishment work to the second level balcony. Set above occupied dwellings, the balcony's existing asphalt waterproofing had begun to crack and required a new, seamless overlay system. The existing substrate was suitable to accept **Proteus Waterproofing's Pro-BW® (Fully Reinforced)** overlay system, a waterproof covering incorporating **Pro-Aggregate EM**, to provide a skid-inhibiting finish to allow foot traffic.

Key Requirements: High Performance Waterproofing

Prior to the installation of **Pro-BW® (Fully Reinforced)**, repair works were carried out to the outer perimeter, to provide a suitable termination point. The gully and outlets were also checked to ensure no blockages were present. After the repairs to the existing asphalt had been completed and cured, a layer of **Pro-Sealer WB** was applied to seal the deck in preparation for the **Pro-BW®** system. The **Pro-BW® Base** was first installed and **Pro-Aggregate EM** was applied, providing a durable and hard finish. The system was then completed by applying **Pro-BW® Resin**.

Key Requirements: Quality Control

To minimise disruption to residents, particularly on communal walkways which may also form the fire escape routes, the waterproofing system needed to be low odour and fast cure. **Pro-BW® (Fully Reinforced)** is cold applied offering a fast cure and a return to service of the communal walkway within 2 hours from installation. **Proteus Waterproofing** worked closely with approved contractor to ensure the system was installed to a very high standard.

Key Requirements: Long Term Performance

Pro-BW® (Fully Reinforced) is a high performance, rapid curing protective waterproofing membrane for balconies and walkways making it ideal for refurbishment where structural movement has occurred. **Pro-BW® (Fully Reinforced)** reduces installation time from days to hours. Suitable for a variety of external applications, **Pro-BW® (Fully Reinforced)** can be installed on concrete & asphalt for communal and private balconies, walkways, staircases and pedestrian ramps. As it is a cold applied installation, the system meets health and safety criteria by minimising risk to both operatives and members of the public.

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