



Proteus Waterproofing

Case Study: Pro-BW Flex

Heathfield Gardens, Balcony Refurbishment



Project Brief

When the communal walkways at Heathfield Gardens in South Croydon began to show signs of failure, Croydon Council discovered that water ingress through the old asphalt had caused corrosion of the metal reinforcement and concrete on the soffit to start breaking away. Detailing had also weakened with age and UV wear, with the asphalt shrinking back from the upstands and kerb.

As the only access point for residents to get to the stairwell, works had to be carried out quickly and efficiently to ensure the walkways could be returned to service within two hours. With the original waterproofing specification not practical due to cure times, the contractor specified Proteus Pro-BW Flex for a faster, more efficient and long term waterproofing solution.

Key Requirement: Minimal disruption

Pro-BW Flex ensured minimal disruption and inconvenience thanks to the fast curing system allowing foot traffic within 2 hours of installation. The use of Pro-BW Flex also reduced the risk of further water ingress whilst works were undertaken and ensured residents' access to their properties was reinstated quickly and efficiently.

Key Requirements: Health and Safety

As it is cold installed, Pro-BW Flex meets health and safety criteria by minimising risk to site operatives and local residents. Pro-BW Flex also offers a low odour application to provide the safest and most convenient solution on site.

Key Requirement: Quality control

Due to the time constraints on site, Proteus Waterproofing and the contractor worked in close partnership to successfully deliver the project to a very high standard within the required timeframe.

Key Requirement: Long term performance

Pro-BW Flex offers 10, 15 and 20 year durability options, with the aluminium oxide aggregate forming a durable and skid inhibiting finish. Proteus Waterproofing's Insurance Backed Guarantee stood up to the surveyor's scrutiny and provided additional peace of mind.

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