

WHITTINGTON HOSPITAL MAGDALA AVENUE, LONDON

The new mental health facility at Whittington Hospital, named after the famous Dick Whittington, provides 78 inpatient beds over four floors of accommodation.

THE CHALLENGE

- ◆ 'Facing up' the large diameter Secant piled wall in the basement, before installing a traditional waterproofing membrane, was an expensive process. It required the creation of a smooth surface across the front of the piles, using shotcrete or similar methods. This process necessitated hiring a specialist subcontractor, which added additional costs and extended the project timeline. Consequently, the client sought alternative solutions.

THE SOLUTION

- ◆ Premcrete's Super Flexible Maxiprupe-Plus, a pre-applied waterproof-only membrane, eliminated the need to smooth the piles. Instead, the membrane could be applied directly over the contours of the piles due to its flexibility.
- ◆ Maxiprupe Plus, along with other membranes in our range, incorporates our unique APAN technology, which features a polymer-impregnated self-healing fleece, offering significant advantages over traditional Bentonite Membranes. It is lightweight and offers 100 sqm coverage per roll, compared to the 5 sqm per roll commonly found in traditional options.



COMPANIES INVOLVED:

- ◆ **Architect:** Ryder Architecture
- ◆ **Structural Engineer:** Bam Design
- ◆ **Main Contractor:** Bam Construction
- ◆ **Groundworks Contractor:** Toureen

SYSTEM INSTALLED:

- Type A**
Maxiprupe Plus
- Type B**
Hydrocrete