

SMUGGLERS WAY WANDSWORTH, LONDON

Five new tower blocks comprising 480 new homes on a former Homebase site in Wandsworth.

THE CHALLENGE

- ◆ The client was opposed to the idea of wrapping the pile caps.
- ◆ The site was polluted with hydrocarbons in the soil, posing a risk of gas emissions.
- ◆ No alternative solutions were found in the market to avoid the wrapping of caps, except for using Premcrete.
- ◆ The process of wrapping caps extends the project timeline, hinders the backfilling of pile caps, and leads to considerable wastage of membrane.

THE SOLUTION

- ◆ The introduction of Hydroprufe LG, a liquid-applied, epoxy-based membrane, offers resistance to gas, VOCs, hydrocarbons and water.
- ◆ It has been thoroughly tested for coefficient of friction compliance to ensure structural engineers' satisfaction.
- ◆ This method eliminates the need for wrapping caps, allowing for rapid casting and backfilling of pile caps before the membrane is brought to the site.
- ◆ The wastage of the liquid application is predictable, unlike the unpredictable wastage associated with pre-applied membranes.



COMPANIES INVOLVED:

- ◆ **Architect:** Hawkins Brown
- ◆ **Structural Engineer:** Ramboll
- ◆ **Main Contractor:** Vistry Group
- ◆ **Groundworks Contractor:** J Reddington

SYSTEM INSTALLED:

Type A

Combi-Seal Plus
Hydroprufe LG

Type B

Hydrocrete