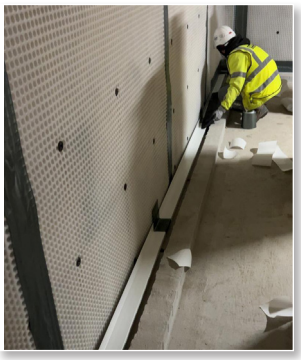
CASE STUDY

HOLBORN VIADUCT

LONDON, UK



Following the demolition of existing buildings at 14-21 Holborn Viaduct, as well as 34-35 and 32-33A Farringdon Street, the construction of a new building was arranged.
The project features multiple levels, ground and ten upper floors to Holborn Viaduct – plus 12 upper floors to Farringdon Street to provide a new commercial, business and service building.

THE CHALLENGE

- This project included a very challenging structural design, with multiple levels.
- The rear of the site was adjacent to five storeys of the viaduct, and the front of the site is at street level.
- With a total of four levels, this very deep basement included complex interfaces with existing structures.

THE SOLUTION

- We needed to remove the need for a pre-applied waterproof membrane, and design with a waterproof concrete and a cavity drain system.
- The conclusion was to utilise Premcrete's Hydrocrete and Hydroflow in this scenario.

STAKEHOLDERS ON THE PROJECT:

Main Contractor: Multiplex
Groundworks: Erith
Structural Engineer: Heyne Tillet Steele
Architect: PLP Architects

SYSTEM INSTALLED:

Hydrocrete
Hydroflow HP
Hydroseal FX
Levels below ground: 3

PROJECT VALUE
£200M

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PREMCRETE