QUARTER MASTERED

Gebrik's adaptability and efficiency enabled this impressive regeneration project to be completed in just seven months.

"Gebrik installation is less affected by weather conditions, needs less storage and load space than brick, and can be installed safely from mast climbers."

GUILLAUME SIMON,
PROJECT MANAGER,
BOUYGUES UK

PROJECT NAME

HALLSVILLE QUARTER, LONDON

BRICK FINISH

VS71-28

DS70-86

CLIENT / DEVELOPER

Bouygues UK

INSTALLER

Façade Concepts Ltd

ARCHITECT

Hunters

Hallsville Quarter is one of the most significant regeneration projects in London and forms part of the £3.7 billion Canning Town and Custom House Regeneration Programme. Working with developer Bouygues UK and specialist cladding contractor Facade Concepts Ltd, Aquarian Cladding supplied over 8,000m^2 of Gebrik for the construction of a pair of 15-storey residential tower blocks in just 7 months.

Aquarian was initially approached by Bouygues' design team, who wanted to achieve a brickwork façade using mast climbers. They quickly identified that Gebrik would allow the brick cladding to be incorporated within other trades using mechanical access, enabling a quicker build programme without the need for scaffolding. Gebrik's BBA certification also ensured warranty provider NHBC would approve its use, provided the entire build-up met specific condensation risk analysis figures in line with BS5250:2002 - but with NHBC parameters.

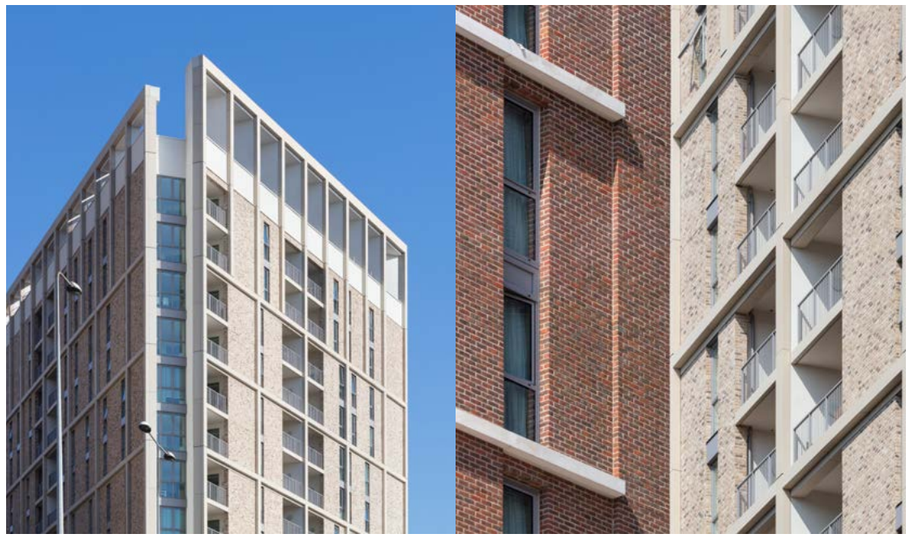
"We believed Gebrik installation would be generally easier than brickwork," explains Guillame Simon, Project Manager for Bouygues UK, "as its installation is typically less affected by weather conditions, it needs less storage and load space on site than brick, and can be installed safely from mast climbers. Its adaptability also made it possible to coordinate with GRC features, which would have been difficult using traditional brick."

To meet the required U-Value, a 65mm drained and vented cavity was created outside of the sfs substrate by separating two layers of Y-Wall (a fire-rated sheathing board) with support brackets and vertical angles, before applying an additional 25mm layer of Kingspan Kooltherm K5 prior to the application of Gebrik. The build-up met Building Regulation requirements for use over 18m thanks to a BRE-produced BR135 Assessment Report and Aquarian's prior investment in testing to BS8414:2.

With the building footprint effectively the site footprint, storage space was at a premium, and so all deliveries were made on a 'just-in-time' basis. With fewer deliveries and less storage than conventional brickwork, this meticulously-timetabled project proved more straightforward - and Gebrik's swift installation meant that when materials arrived, they were used within a few days.

Installing Gebrik from mast climbers meant it was imperative that the installation was correctly sequenced with the light-gauge steel framing, windows and other trades, so a collaborative approach was worked out with all subcontractors involved in the external façade. With seven months to complete both towers, tight timeframes meant coordination and efficient logistics were the keys to success – resulting in a significant reduction in prelim costs.

"The USP of the Gebrik system is its versatility, speed and the practicalities of the install," says Matthew Small, Managing Director of Façade Concepts. "At almost 1m^2 per panel, the system can be installed quickly in most weather conditions. And with the wide range of brick finishes and component types to choose from, no two projects have to be the same."



"The USP of the Gebrik system is its versatility. The range of brick finishes and types, plus the configurations available, mean that no two projects have to be the same."

MATTHEW SMALL,
MANAGING DIRECTOR,
FAÇADE CONCEPTS