



Case Study

 **SAPPHIRE**[®]

London Dock,
Block C1

“Sapphire’s communication, positivity and helpful attitude have always made us feel valued whenever we’ve needed help. Their logistics around quality standards, deliveries and installation are second to none.”

Christopher Roberts, St George PLC



London Dock, Block C1

Client: St George City Limited

Contractor: St George City Limited

Architect: Broadway Malyan Architects (London)

Location: Wapping, London

Balconies: 134 balconies with structural frameless glass and privacy screens.

Wapping is the historic home of landmarks such as the UK's oldest riverside tavern, The Prospect of Whitby, the headquarters of News International's printing and publishing works and the famous Tobacco Dock on the Thames waterfront. Wapping is now also home to London Dock, 7.5 acres of luxurious open spaces and 1,800 high-quality homes fitted with Sapphire's cantilever balconies.



Challenge

London Dock C1 was faced with several intriguing challenges from the outset. Firstly, the requested design contained a sloped façade, meaning the balcony connections could not be fit as they normally would be. Secondly, London Dock features a water garden and a distinct water feature on the ground floor, meaning extra care would need to be taken during installation to not harm the area. Finally, access to the façade was limited when fitting the arms as there were no scaffolds or mast climbers available.



Solution

Fitting all 134 balconies with privacy screens at London Dock C1 was made simpler through Glide-On balconies and a counterbalance, meaning the sloped façade could have balconies installed from the top down when necessary. Furthermore, the water feature was considered through the use of a crane set off to one side, avoiding the water feature entirely both when the balconies were being stored and when installed. Finally, access to the façade for arm fitting was solved by using a unitized façade by Martifer – the arms were cast in place at the manufacturing stage giving our accredited installers the access they needed to install the balconies.



Rigid.Ready.Right.

Step 1

Cast-in anchors were cast into the slab & incorporated thermal break connections offering superior rigidity to the balconies

Step 2

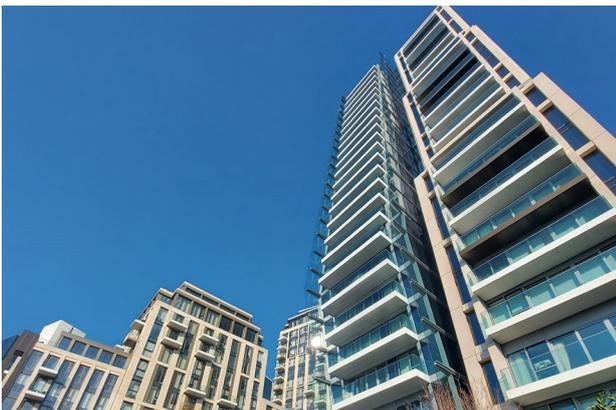
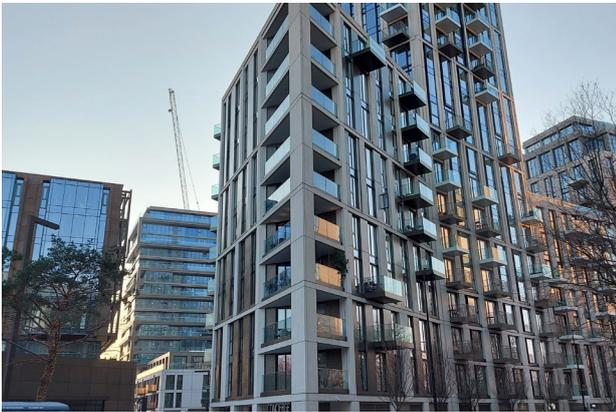
Cassette® balconies were preassembled offsite, including the balustrades, decking & soffits.

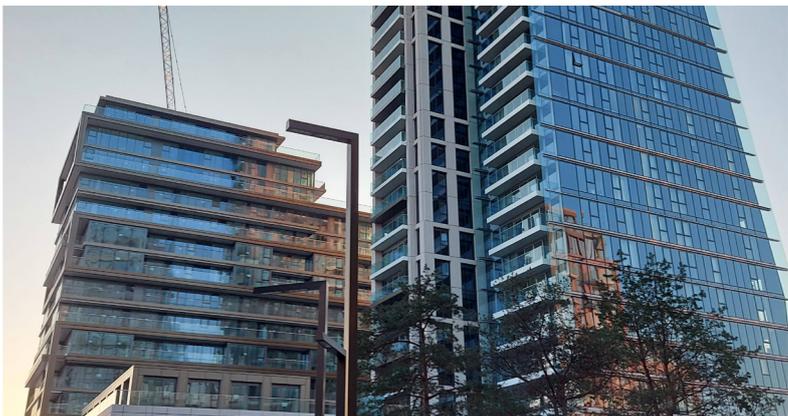
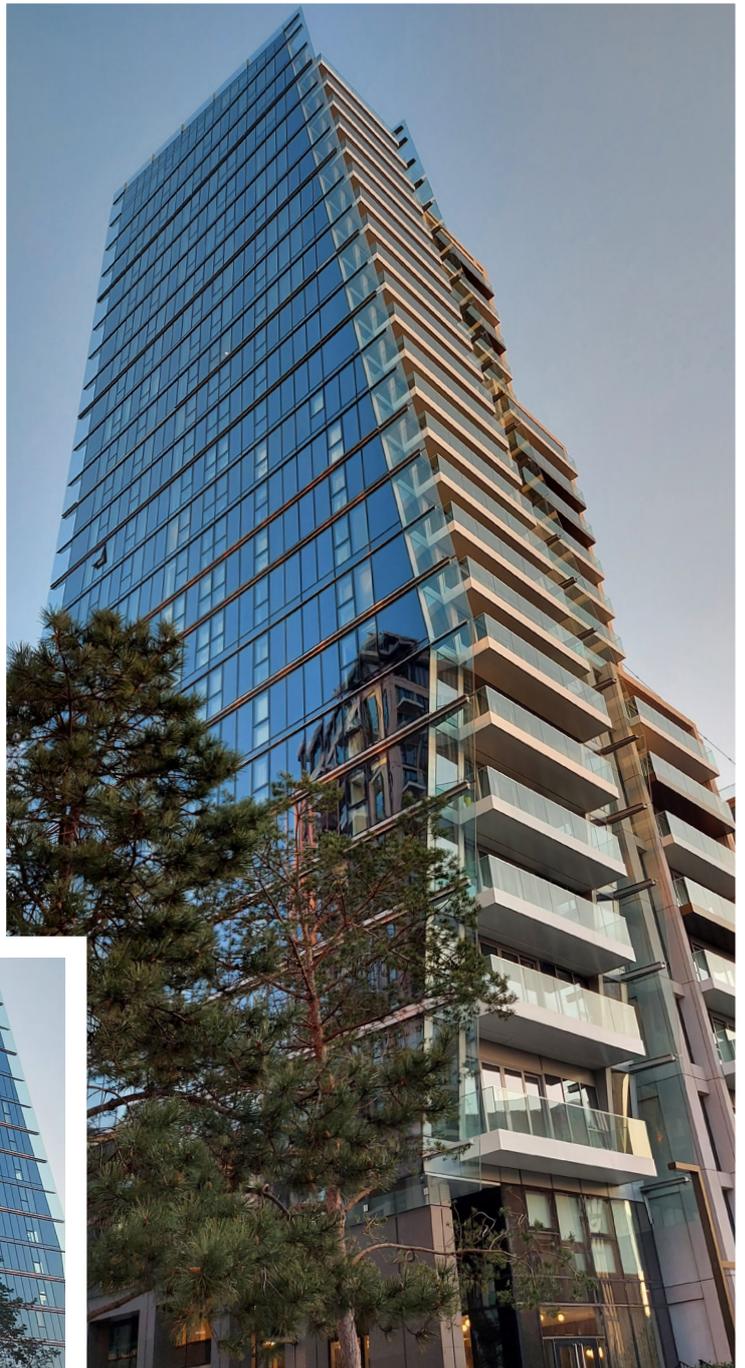
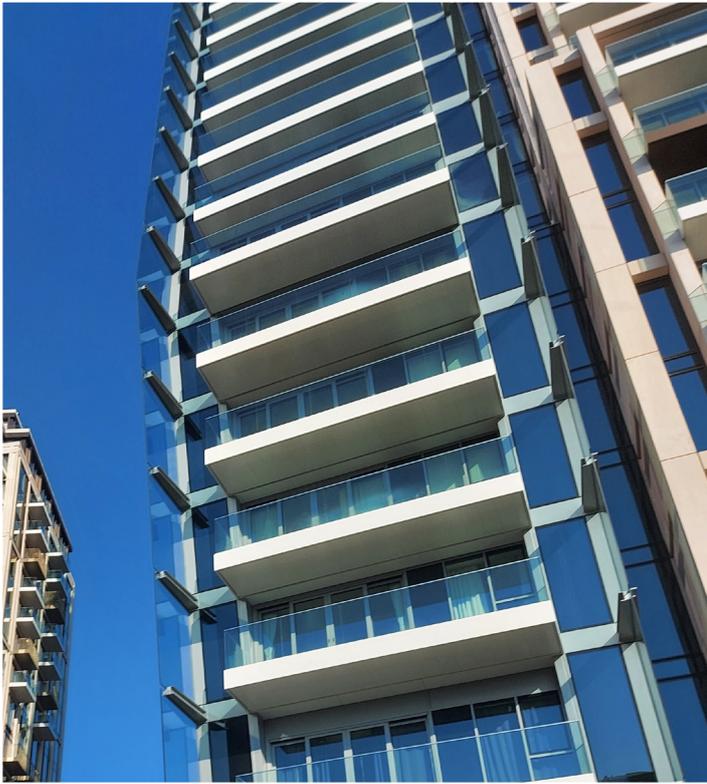
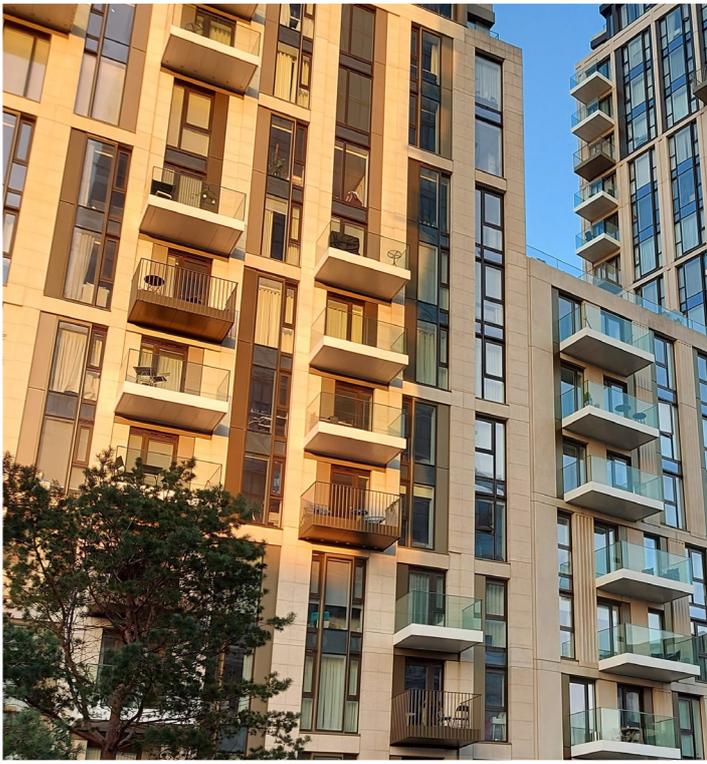
Step 3

Cassette® balconies were transported with balconies 'nested' onto each pallet making transport both cost-effective & safe. Balconies were pre-slung offsite and ready for installation upon arrival.

Step 4

Once lifted into position, the Cassettes® simply Glide-On™ to the pre-erected support arms, before completing the simple mechanical fixings.





NBS Specification

London Dock Block C1

Manufacturer: Sapphire Balconies Ltd, 11 Arkwright Road, Reading, RG2 0LU
0344 88 00 553
sales@sapphire.eu.com
<https://balconies.global/>

Reference: Glide-On™ aluminium Cassette® balconies some with Crystal® frameless, structural glass others with vertical bar balustrades

Balcony anchor: Cast-in anchors incorporating thermal breaks

Arms: 2-piece galvanised steel

Cassette® structure: Standard 400mm modular Glide-On™ Cassette® balconies

Soffits: Tiger sloping polyester powder coated (bronze/white) aluminium integral visible controlled draining soffits

Deck finish: Enjura WPC composite decking fixed with hidden clips

Toprail: 25 x 25mm (nominal) 'U' satin anodised aluminium capping with butt jointed mitred corners to top of the glass

Guarding: Some with 21.5mm clear toughened structural glass panels PVB interlayer others with 40x12mm (nom.) Tiger powder-coated (bronze/white) aluminium extrusion vertical infill bars

Base fixing: Mechanically fixed to Cassette®

Fascias Tiger polyester powder-coated (bronze/white) aluminium flat fascia with no horizontal joint lines or folded features for all glass balconies or powder-coated front balcony edge frame with visible colour-matched fixings for vertical bar balconies





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All facts have been carefully collated and were accurate when researched; these may become out of date. Sapphire takes no responsibility for this. MD271022SE

0344 8800 553
<https://balconies.global/>
sales@sapphire.eu.com

Sapphire Balconies Ltd
11 Arkwright Road, Reading, RG2 0LU

