



First Central, Park Royal

Client: Catalyst Housing Group/
London Borough of Brent

Contractor: Higgins Construction

Location: North West London

Balconies: 119 Cassettes®

Value: £0.84m



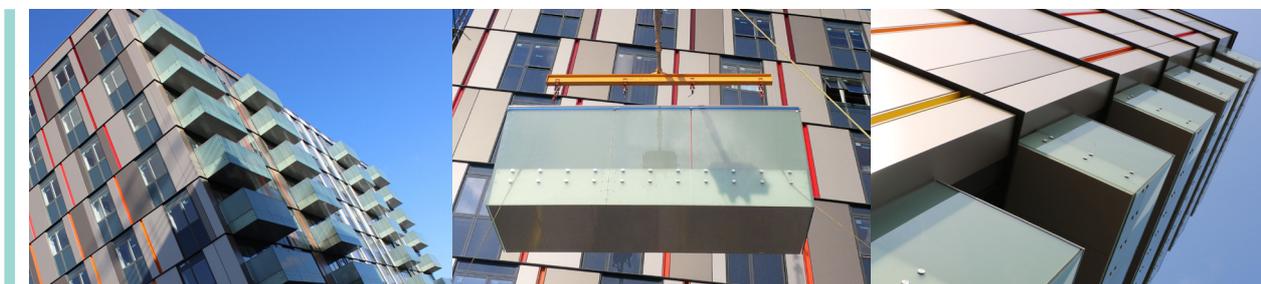
Challenge

Installation of 119 Glide-On™ balconies at First Central, a new residential development in North West London. Schoeck cast-in anchors were installed to provide a connection and a thermal break. The concrete casting had taken place without the use of templates, meaning that some anchors weren't correctly positioned.



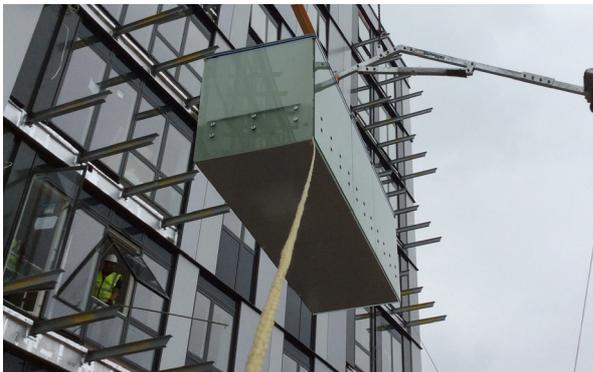
Solution

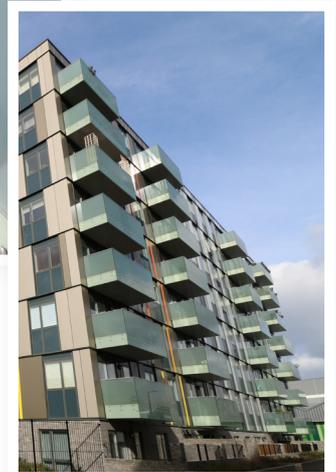
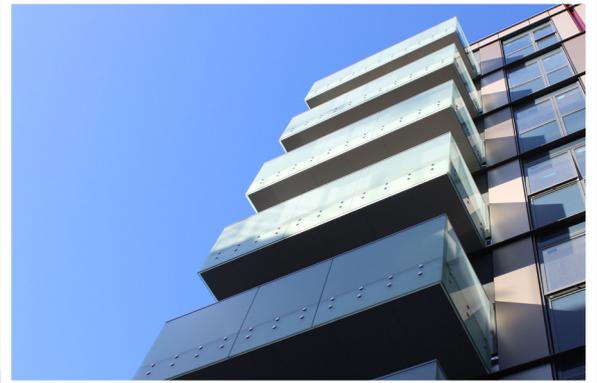
Sapphire's innovative balcony system allows for a tolerance of +/- 20mm, which traditional steel bolt-on balconies don't provide. By using Sapphire's Cassette® balconies, they were able to be fitted first time. The balconies for First Central were also fitted with a positive drainage system to a soffit tray, reducing the risk of façade staining and water falling through the deck onto the residents below. With many balconies over 6m² this also fulfilled the NHBC drainage requirements for flat roofs and balconies. The drainage connections, along with the extract vents from the building, were contained within a hidden void added to the underside of the Cassette®.



Installation process

- Step 1** The scheme used cast-in Shoeck anchors to provide a thermal break and Sapphire's brackets connected directly to these, taking the bracket from the thermal break within the cavity to outside of the finished façade.
- Step 2** Sapphire manufactured Cassette® balconies for First Central at its Winchester production facility while balcony connections were completed on-site.
- Step 3** Off-site production enabled the factory finished Cassette® balconies to be delivered to site, ready for install team to take over.
- Step 4** Using Sapphire's innovative counter-balance technology, the balconies were simply glided onto the pre-installed brackets, with installers inside the building.





NBS Specification

First Central, Park Royal

Manufacturer	Sapphire Balustrades Ltd 11 Arkwright Road Reading RG2 0LU 0844 88 00 553 sales@sapphire.eu.com www.sapphire.eu.com
Reference	Glide-On™ aluminium Cassette® balconies with Crystal® frameless, structural glass.
Balcony anchor	Cast-in Schoeck® KS14 anchor incorporating thermal breaks.
Arms	15mm thick clear toughened structural glass panels with nominal radiused corners with all exposed edges polished to BS6206 Class A
Cassette® structure	Standard 400mm modular Glide-On™ Cassette® balconies
Soffits	Polyester powder coated aluminium soffits to Ral 9010 matt, positively draining to rear of balcony, connecting to hopper and downpipe.
Deck finish	WPC composite decking fixed with hidden clips. Colour S3 with PO2 grain finish.
Toprail	Square brushed satin effect anodised aluminium capping fixed on top of glass.
Guarding	8+8mm thick clear toughened Crystal® structural glass panels laminated together with a 'Arctic White' obscure 1.5mm PVB interlayer.
Base fixing	Mechanically fixed to Cassette® using bobbin point fixings.
Fascias	Stainless steel point fixing discs with no fascia.

