

Greenwich Peninsular, M114/115

Client: Knight Dragon/Quintain

Contractor: Wates

Location: Greenwich, South East London

Balconies: 280 Cassettes®

Value: £2.5m



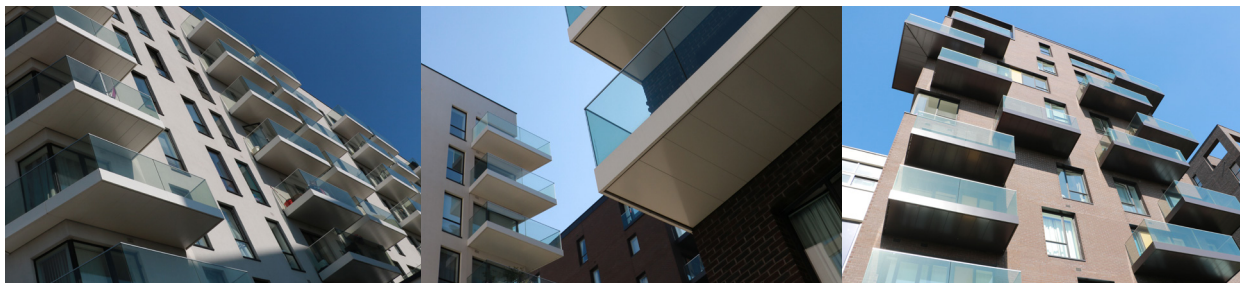
Challenge

The project at Greenwich Peninsular had various balcony requirements and balcony structures in order to diversify the 400 properties which were arranged in 10 multi-occupancy buildings. There were issues with access from the apartments which meant that the install became out of sequence. It also resulted in a much higher need for health and safety risk accessing.



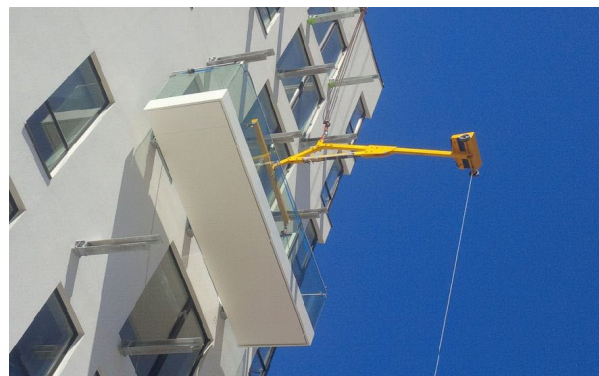
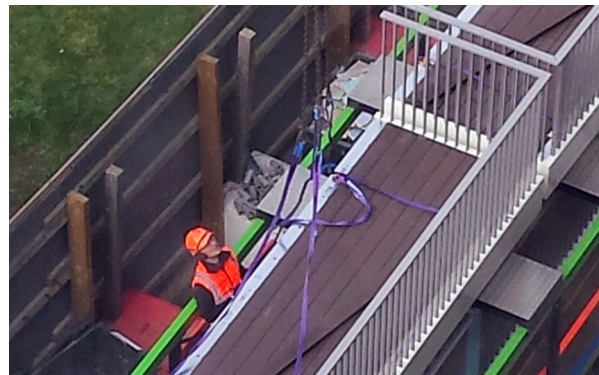
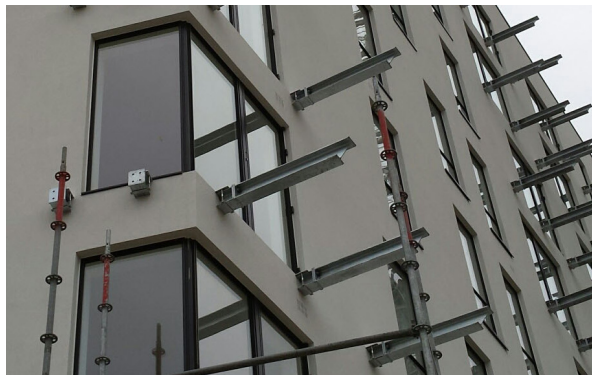
Solution

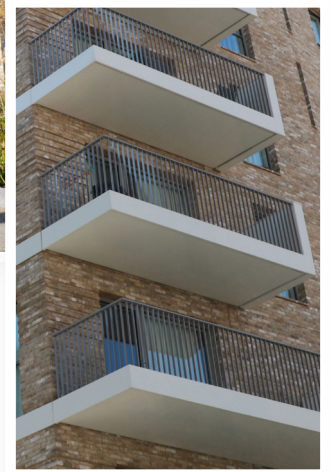
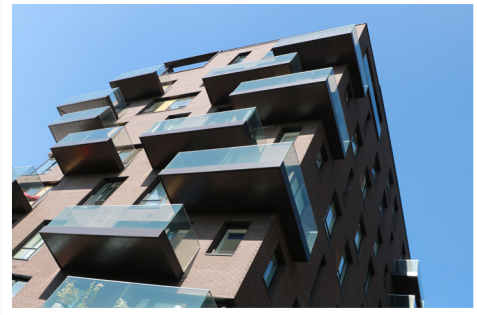
Sapphire produced the balconies in advance and stored them until required. This was advantageous as the flexibility of supply aided the changing installation sequence. The balconies were transported from storage, on Sapphire's double stack trailers, minimising transport carbon emissions and costs. Once on-site the innovative counter balance, developed exclusively by Sapphire, allowed balconies to be installed under other balconies so it could work out of sequence and still stay on programme.



Installation process

- Step 1** Designing in lightweight aluminium **Cassette®** balconies meant that less moment forces, and therefore less deflection, would be applied to balcony connections. The balconies and balustrades were designed and to comply with regulations, industry standards and British Standards.
- Step 2** Sapphire manufactured balconies for Greenwich Peninsular at its Winchester production facility. These were then stored there until required on site.
- Step 3** Off-site production enabled the factory finished **Cassette®** balconies to be delivered to site, ready for installation. Most were delivered to site on Sapphire's double stacking trailers.
- Step 4** The **Glide-On™** balcony **Cassette®** enabled the balconies to be installed beneath others giving the flexibility to deliver balconies at higher levels, leaving surrounding areas for installation at later dates once other trades have finished.





NBS Specification

Greenwich Peninsular M114/115

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® KS20 anchor incorporating thermal breaks.
Arms	Two piece galvanised steel stubs and arms, with arms fitted at a later date.
Cassette® structure	Standard 400mm modular Glide-On™ Cassette® Balconies
Soffits	Polyester powder coated aluminium soffits to Ral 9010 matt, free draining to front of balcony.
Deck finish	WPC composite decking fixed with hidden clips. Colour S6 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 clear 1.5mm PVB interlayer.
Base fixing	Mechanically fixed to Cassette® using bobbin point fixing clamps.
Fascias	Polyester powder coated aluminium fascias to Ral 9010 Matt to hide all fixings.

