



# Case Study



North Wharf Gardens,  
Paddington

*“ Sapphire s Glide-On balcony concept is so simple and yet very clever. It provides a really fast and flexible solution for this type of high-rise residential development. ”*

Design Coordinator, Bouygues UK



# North Wharf Gardens

**Client:** Bouygues UK

**Contractor:** Bouygues UK

**Architect:** Powell Dobson Architects

**Location:** Paddington, London

**Balconies:** 39 Cassettes®



## Challenge

Central to Paddington, North Wharf Gardens is in very close proximity to the busy London terminal which sees annual footfall upwards of 60 million people. Sapphire installed 39 Cassettes® onto the four beautifully designed residential towers which were the creation of Powell Dobson Architects. Naturally, with its prestige location, the aesthetics were a key component and focus for the client. Sapphire were challenged with providing beautiful balconies entailing positive drainage that complimented the façade, in a busy, central location.



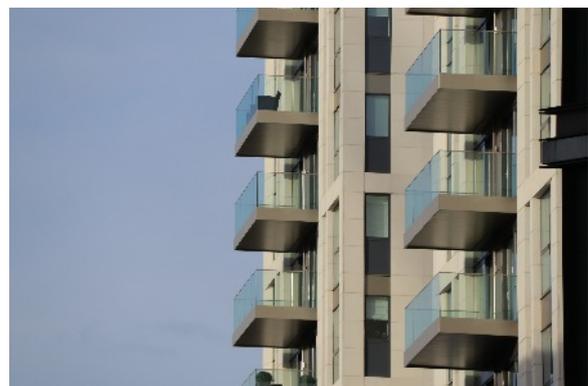
## Solution

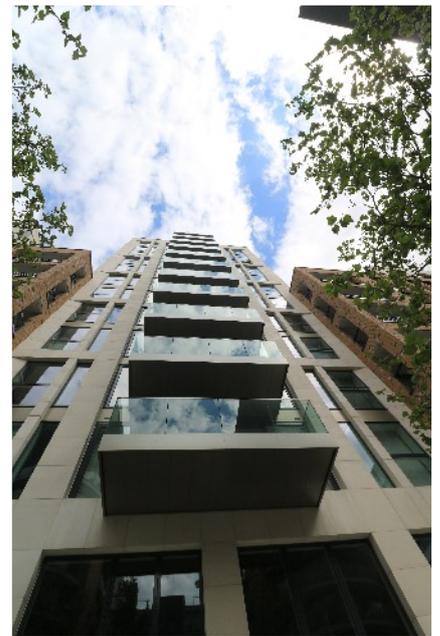
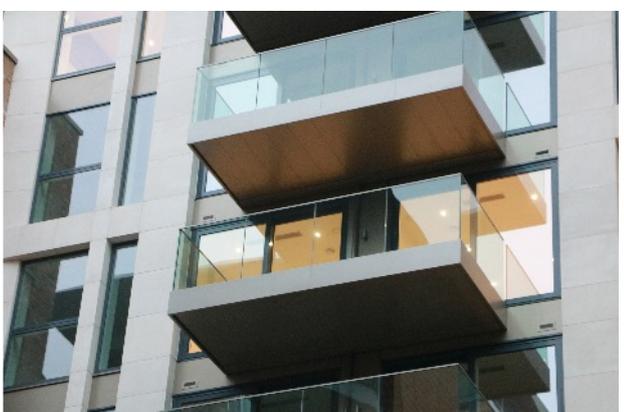
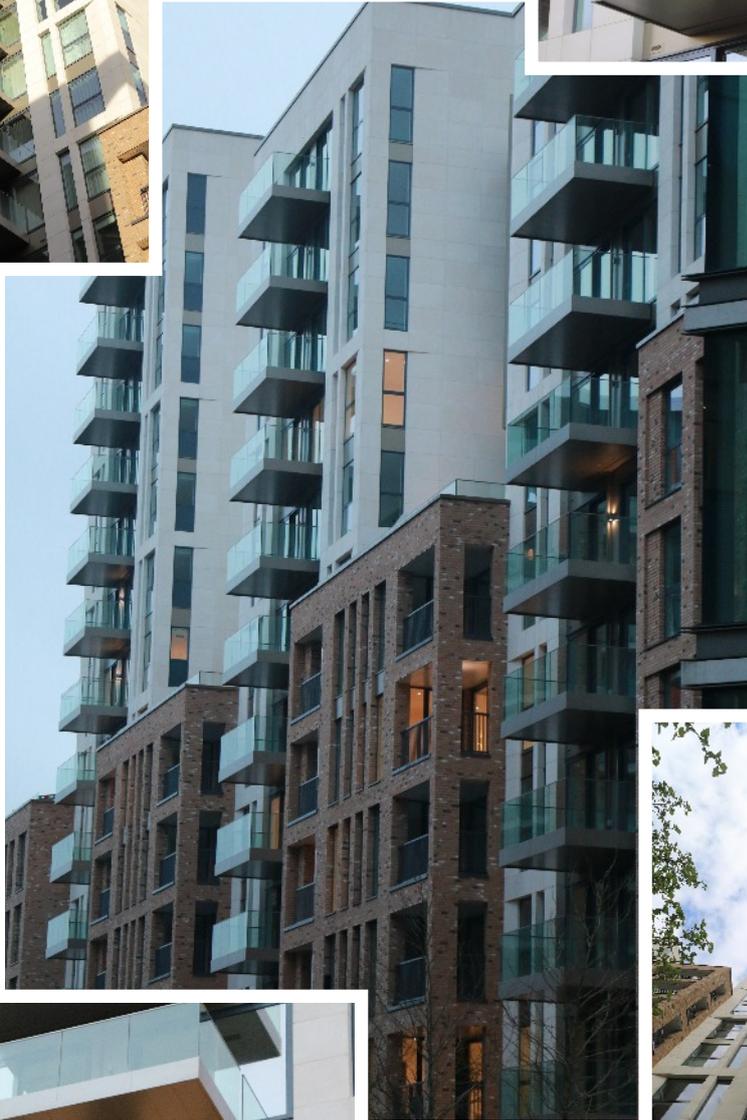
At Sapphire, we consistently strive to not only meet customer needs but to exceed them. For this particular project, Sapphire designed the positive drainage system within the soffits of the Cassettes®, ensuring that the overall look of the façade was not compromised. Resulting in a minimalist, modern look which not only drained water away from the Cassettes® safely and efficiently, but also enhanced the exterior of the building. Using our rapid Glide-On™ installation process, Sapphire were able to install the Cassettes® using their counter balance apparatus, allowing for a 'top down' install from a mobile crane. The level of efficiency obtained from this process is beneficial in cutting costs and limiting disruption in an already congested area. Ensuing in perfectly designed balconies, installed with minimal impact and as per our brand guarantee, the Cassettes® were installed. Rigid. Ready. Right.



# 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 on trailers with balconies 'nested' making transport both cost effective & safe.
- 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

North Wharf Gardens, Paddington

<b>Manufacturer</b>	Sapphire Balconies Ltd 11 Arkwright Road Reading RG2 0LU  0844 88 00 553 sales@sapphire.eu.com www.sapphire.eu.com
<b>Reference</b>	Glide-On™ aluminium Cassette® balconies with Crystal® frameless, structural glass.
<b>Balcony anchor</b>	Cast-in anchors incorporating thermal breaks.
<b>Arms</b>	2-piece galvanised steel arm.
<b>Cassette® structure</b>	Standard 400mm modular Glide-On™ Cassette® balconies. Factory assembled aluminium slide on cassette.
<b>Soffits</b>	Polyester powder coated aluminium integral visible sloping soffit, sloping to the rear, positive drainage to rain water pipe.
<b>Deck finish</b>	Enjura FRS wood/plastic composite decking boards. Fixed with hidden clips.
<b>Toprail</b>	27mm x 23mm satin anodised aluminium slotted over glass.
<b>Guarding</b>	10mm + 10mm clear toughened structural glass panels laminated with 1.5mm PVB interlayer.
<b>Base fixing</b>	Mechanically fixed to Cassette® using bobbin point fixings
<b>Fascias</b>	Polyester powder coated aluminium fascia trim to conceal glass fixings/edge of balcony frame.





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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. MD310519RC

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