



Case Study



Deptford
Foundry

“ 10/10 ”

– Anthology

“ *Sapphire’s offsite manufacture was invaluable to this site because of the issues of site logistics. Balconies were installed straight from the lorries and the system was fantastically simple* ”

Project Manager – Sisk



Deptford Foundry

Client: Anthology

Contractor: John Sisk & Sons

Architect: Associated Architects

Location: Deptford, London

Balconies: 152

Deptford Foundry is located in a historic area of south-east London and sits on of a former metal foundry dating back to 1831 and once home to engineer Josiah Stone. Once a thriving centre of exceptional design, the area is now home to premium apartments each benefitting from access to private balconies and terraces.

The area's rich industrial heritage is reflected in the design of the balconies featuring tie wires and bronze Cassettes® and soffits.



Challenge

The development is located tightly between two railway lines, limiting room for site equipment and adding an element of complexity to the install. Due to safety concerns the site team could not go over the boundary over the railway line leaving minimal space for cranes to manoeuvre the balconies into place.







Solution

The proximity of the railway lines meant that traditional balcony designs would have been hazardous to install as nothing could hang over the boundary in the process. Sapphire's Glide-On™ solution overcame these concerns as the modular prefinished design arrived to site complete and ready for install. The project manager commented that the offsite manufacture of our balconies was "invaluable to this site because of the issues of site logistics".

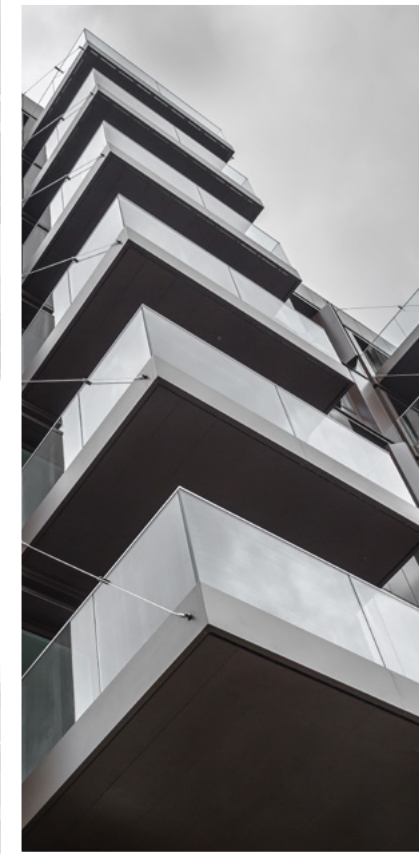
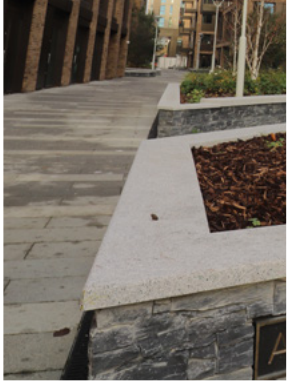
The simplicity of the install process meant the balconies could Glide-On™ to the awaiting arms and secured in place without the need for installers working below a live load. Installers remained inside the apartments behind our internal door guards preventing any risk of the leading edge. Once the balconies were on the arms they could be safely bolted in place and the final boards of decking could be fixed in place.

While working alongside the railway lines would often be a headache for traditional balcony methods the Glide-On™ system made light work of the tight space. The project manager said, "balconies were installed straight from the lorries" and that the system was "fantastically simple". Our logistics team worked with the site team to ensure the balconies arrived when they were needed and when the site was ready for install. The site team reported a fast install limited only by the façade progress and the needs of other trades on site.

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 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

Deptford Foundry

Manufacturer	Sapphire Balconies Ltd 11 Arkwright, Road Reading, RG2 0LU 0844 88 00 553 sales@sapphire.eu.com www.sapphire.eu.com
Reference:	Type 1 – Glide-On™ aluminium Cassette® balconies with vertical bar balustrades. Type 2 – Glide-On™ aluminium Cassette® balconies with Crystal® frameless, structural glass.
Balcony anchor:	Cast-in anchors incorporating thermal breaks.
Arms:	1-piece galvanised steel.
Cassette® structure:	Standard 400mm modular Glide-On™ Cassette® balconies.
Soffits:	Polyester powder coated aluminium controlled draining soffits.
Deck finish:	Ecodeck.
Toprail:	Type 1 – Profiled polyester powder coated aluminium Type 2 – 50mm satin polished handrail to top of glass
Guarding:	Type 1 – 50 x 10mm polyester powder coated aluminium flat vertical infill bars. Type 2 – Clear toughened PVB laminated glass
Base fixing:	Mechanically fixed to Cassette®
Fascias:	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. MD090120MM

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