

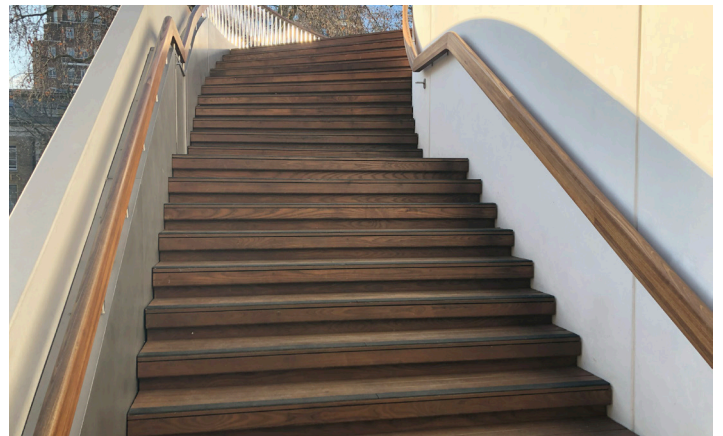
Case Study

Duke of York Square Restaurant



Project: Duke of York Square Restaurant

WestWood's versatile PMMA products have provided a robust and aesthetically bespoke waterproofing solution for an award-winning restaurant.



A Striking Building

Specialist Roofing Contractor: Premier Roofing & Construction Ltd
Project size: 170 sq. m
WestWood products: Wecryl 276, Wecryl 230, Wecryl 333 & Quartz Sand, Wecryl 488, Weseal 815 Fibre Putty

Designed by Nex Architecture, this award-winning circular building was the final element in the redevelopment of Chelsea's Duke of York Square. Occupied by the Vardo restaurant, the structure is topped with a public roof garden and features fully retractable curved windows, which lower into the basement to create an indoor/outdoor dining experience.

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Maximising Resilience

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Wecryl 230 was selected to waterproof several areas, including the public roof garden, the concrete steps leading up to this space, a roof area housing M&E equipment, and a small lift core roof. This high-grade PMMA-based resin is cold applied with a fleece reinforcement resulting in a durable waterproofing membrane that fully bonds to the substrate, is highly flexible and permanently weather resistant.

As timber decking was going to be installed over the steps, measures were put in place to provide extra protection. This saw the treads **overlaid with Wecryl 333, a trowel-applied wearing layer with a quartz sand topping.** This was followed by the application of the Wecryl 488 sealer coat providing **a hardwearing skid-inhibiting finish.**

As some of the steps incorporated threaded bars which penetrated the waterproofing membrane, Weseal 815 Fibre Putty was used to waterproof this detail. Highly flexible, this fibre-filled waterproofing product is **ideal for small, geometrically complex details.**

Wecryl 333 was also used as added protection for the small lift core roof followed by the application of Wecryl 488 in two colours - lead grey and white. This layer was then topped with **deco chips to provide an aesthetic finish.**



Overcoming Complex Challenges

The project presented various challenges, including the need to navigate drainage grooves along the stairs, the building's curved walls, constrained working areas, and other tradespeople. These were overcome thanks to **skilled workmanship, stringent planning,** and the quality of WestWood's PMMA products.

All Wecryl products **cure rapidly** and can **adapt to a wide temperature** and humidity range. The two-component (2K) system, powered by a peroxide catalyst, enables contractors to vary cure times from five to 45 minutes, **ensuring a quick turnaround** on busy construction sites. Flame-free and easy to apply, the Wecryl liquid system allows complex details to be effortlessly waterproofed without the need for terminations or mechanical fixings.

To assist with particularly awkward detailing in confined spaces for this project, WestWood's technical team provided additional support, suggesting design ideas to ensure the most robust solution.