



TEDDINGTON HOUSE

Sitting flush alongside contemporary slate roof tiles and surrounded by photovoltaic (PV) panels, The Neo® Rooflight at this London-based property creates a watertight seal whilst maximising the amount of natural light in the room below.

PV manufacturer and installer, Greencap were appointed by Simon Merrony Architects to elegantly integrate their solar panel units with The Neo Rooflight from The Rooflight Co's Pitched Roof Collection.

The thin external framing and edge-to-edge glazing that The Neo is known for, mirrors the frame design of the solar panels for a seamless integration; a theme that continued internally with the lining to glass @ internal finish.

Considering the dimensions of the standard solar panel available from Greencap, it was decided that an aesthetically superior solution could be achieved through a bespoke size rooflight to match the proportions of the solar

panel perfectly. This enabled the rooflight and panels to be installed side by side in grid formation, evenly separated by a narrow shadow gap.

The experienced technical design engineers at The Rooflight Co developed project specific cross-section installation details with Greencap and Simon Merrony to ensure the final configuration achieved a flush modular installation which would be feasible to install, watertight and aesthetically pleasing. The opening mechanism was tested beforehand to ensure the rooflights would provide adequate ventilation, without interference with the PV panels.

The final result was successful down to the finest details; the overall sleek finish was supported by the bespoke black frame on The Neo over the standard Umbra Grey, with Greencap colour matching this on their PV panel edging, bracketry and associated fittings. Resolving these design elements in the earlier stages of the project allowed all parties to deliver to specification within a

reduced lead time.

The Neo range of rooflights combines the highest modern performance standards with a frameless, minimalist appearance both inside and out. Our experienced technical design team are dedicated to supporting architects and contractors turn ambitious visions into feasible engineered solutions.

With the emergence of alternative methods to capture solar energy, The Rooflight Co continue to ensure our product collections can be installed into a variety of roof build ups whilst remaining watertight against the elements.

Architect:

[Simon Merrony Architects](#)

PV Agent: [Greencap](#)

Contact us for more information:

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