UK Passivhaus Awards 2016

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Unlimited Polymer Solutions

Chiswick Eco Lodge

RDA Architects

DESIGN PHILOSOPHY

Overcoming a fraught three year long planning process, this house sits quietly on the site of a former garage in Chiswick. Belying its exterior appearance, the house provides three bedrooms, generous living space and outdoor amenity achieved through the addition of a basement level. The house's unashamedly modern interior is completed with exposed concrete walls, a bespoke timber stair case and vast amounts of natural light. The amount of light brought into the house along with high levels of insulation mean that no heating input is required. This house stands to prove that Passivhaus certification can be achieved without compromising a high quality bespoke design.

PROJECT FACTS

110.7m² TFA	£ 3,368/m² cost	AUG 2015 completed
LONDON, England location		SEP 2015 occupied

ENERGY PERFORMANCE

83 kWh/m²a primary energy	15.50 kwh/m² heating demand	10.10 w/m² heating load

u-values

Walls	0.080
Floor	0.110
Roof	0.130
Windows	0.750

0.572ach airtightness

Heating strategy: Solar Gain

Ventilation strategy: MVHR

Ecology Building Society

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TEAM CREDITS

Client: Oliver Smallman

Architects: Richard Dudzicki Associates

Contractor: Belgravia Construction Ltd