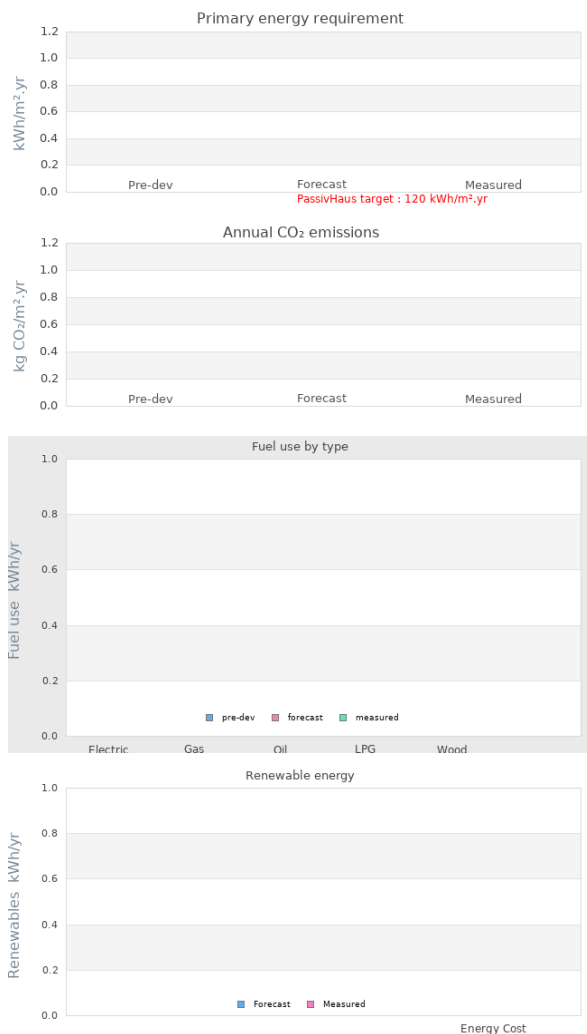


Project name Passivhaus Mews II

Project summary Overcoming a tight budget, constricted access issues, & sudden changes to the team, this triumphant urban infill delivers a compact light-filled comfortable home. The owners brief was centred on comfort and ease of use, but through her profession as a physiotherapist, it was clear that health was also very important; this made the Passivhaus approach an easy choice. Passivhaus Mews II accommodates three bedrooms, two bathrooms, a hydro-therapy pool and carport into the site of a double garage, at the back of the owners old house.



Project Description

Projected build start date

Projected date of occupation 01 Nov 2017

Project stage Occupied

Project location Camberwell, London, London, England

Energy target PassivHaus

Build type New build

Building sector Private Residential

Property type

Existing external wall construction Other

Existing external wall additional information	SIPS
Existing party wall construction	
Floor area	83 m ²
Floor area calculation method	PHPP
Building certification	Passivhaus certified

Project team

Organisation	
Project lead	
Client	
Architect	RDA Architects
Mechanical & electrical consultant(s)	
Energy consultant(s)	Green Building Store
Structural engineer	
Quantity surveyor	
Other consultant	Certifier - MEAD Ltd
Contractor	CLC Build

Design strategies

Planned occupancy
Space heating strategy
Water heating strategy
Fuel strategy
Renewable energy generation strategy
Passive solar strategy
Space cooling strategy
Daylighting strategy
Ventilation strategy
Airtightness strategy
Strategy for minimising thermal bridges
Modelling strategy
Insulation strategy
Other relevant retrofit strategies
Other information (constraints or opportunities influencing project design or outcomes)

Energy use

Fuel use by type (kWh/yr)

Fuel	previous	forecast	measured
Electric			
Gas			

Fuel	previous	forecast	measured
Oil			
LPG			
Wood			

Primary energy requirement & CO2 emissions

	previous	forecast	measured
Annual CO2 emissions (kg CO2/m ² .yr)	-	-	-
Primary energy requirement (kWh/m ² .yr)	-	-	-

Renewable energy (kWh/yr)

Renewables technology	forecast	measured
-		
-		
Energy consumed by generation		

Airtightness (m³/m².hr @ 50 Pascals)

	Date of test	Test result
Pre-development airtightness	-	-
Final airtightness	-	-

Annual space heat demand (kWh/m².yr)

	Pre-development	forecast	measured
Space heat demand	-	-	-

Whole house energy calculation method

PHPP

Other energy calculation method

Predicted annual heating load

-

Other energy target(s)

Building services

Occupancy

Space heating

Hot water

Ventilation

Controls

Cooking

Lighting

Appliances

Renewables

Building construction

Storeys

Volume

Thermal fabric area

Roof description

Roof U-value

Walls description

Walls U-value

Party walls description

Party walls U-value

Floor description

Floor U-value

Glazed doors description

Glazed doors U-value

Opaque doors description

Opaque doors U-value

Windows description

Windows U-value

Windows energy transmittance
(G-value)

Windows light transmittance

Rooflights description

Rooflights light transmittance

Rooflights U-value

Project images

