

Cub House



The Cub House was launched at the Ideal Home Show in 2010. It is designed to meet Level 5 of the Code for Sustainable Homes.

The modular home is made in England by FutureForm and requires 16 days offsite manufacture, with seven days onsite construction and installation. It is commercially available as a one, three or five bedroom home.

The Cub House is Secured by Design certified, Lifetime Homes compliant and NHBC Building Control Type approved.

Key features include:

- Modular 65-90% recycled steel frame with high levels of insulation and glass-fibre rainscreen cladding guaranteed for 60 years
- MVHR with an air source heat pump by Nilan, taking heat from the exhaust air for greater efficiency
- 41 m² of solar PV panels
- Rainwater harvesting system for garden irrigation

PODPASSIV Prototype Home

PODPASSIV is a prefabricated kit house located next to the Cub House on the BRE Innovation Park. It offers a semi-permanent solution to a range of housing requirements.

Manufactured in the UK from a composite glass-reinforced plastic, the structure is resistant to extreme temperatures and weather conditions which makes it ideal for disaster zones where supplies of water and electricity are unavailable.

Key features include:

- Rainwater collection
- Solar lamps

Pods can be easily dismantled, sanitised and recycled for another use, thereby reducing costs and materials wastage.

PODPASSIV
SUSTAINABLE SOLUTIONS





Technical specification

Year of construction	Design standards	Fabric U-values (W/m^2K)				Air tightness
		Walls	Glazing	Floor	Roof	m^3/hm^2 @ 50 pascals
2010	CSH Level 5	0.21	1.25	0.22	0.16	2.90

Construction type	Window type	Building services strategy		Renewable energy		Rainwater harvesting	Greywater recycling
		Heating	Ventilation	PV	Solar thermal		
Modular steel frame, 65-90% recycled	Double glazing with e-coating	Combination ASHP, MVHR and DHW	MVHR	Yes	No	Yes	No