CERTIFICATE

Certified Passive House Component
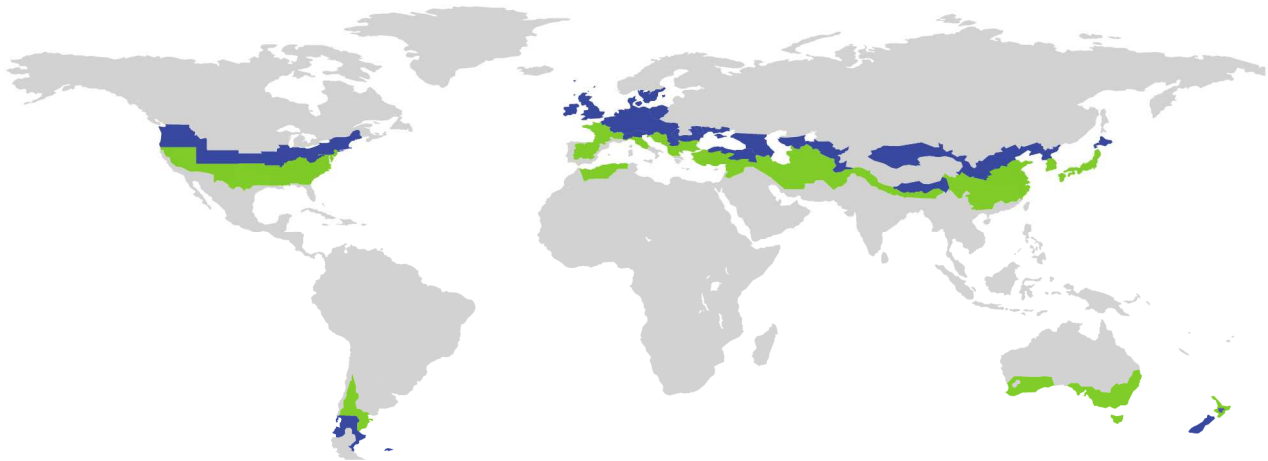
ID: 0842ws03 valid until 31. December 2018

Catregory	**Construction system | Straw-timber frame**
Manufacturer	**ModCell / The Proving House**
	Bristol
	UNITED KINGDOM
Product name	**ModCell Core Passiv**

This certificate for the cool, temperate climate zone was awarded based on the following criteria

Hygiene criterion

The minimum temperature factor of the interior surfaces is $f_{Rsi=0,25m^2K/W}$ ≥ **0.70**

Comfort criterion

The U-value of the installed windows is $U_{W,i}$ ≤ **0.85** W/(m²K)

Efficiency criteria

Heat transfer coefficient of building envelope U^*f_{PHI} ≤ **0.15** W/(m²K)

Temperaturfactor of opaque junctions $f_{Rsi=0,25m^2K/W}$ ≥ **0.86**

Thermal bridge free design for key connection details Ψ ≤ **0.01** W/(m²K)

An airtightness concept for all components and connection details was provided.

cool, temperate climate

CERTIFIED COMPONENT

Passive House Institute

cool, temperate climate

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Determined values

Thermal heat transfer coefficient	Dimension [m]	U-Wert [W/(m²K]
EW01 - External Wall	0.49	0.122
RO01 - Roof	0.49	0.149
BC01 - Basement Ceiling	0.42	0.181
FS01 - Floor Slab	0.69	0.118
BW01 - Basement Wall	0.34	0.237

Thermal bridge coefficient opaque envelop	fRsi [-]	Ψ [W/(mK)]
RORI01 - Roof Ridge	0.90	-0.082