

CERTIFICATE

Certified Passive House Component

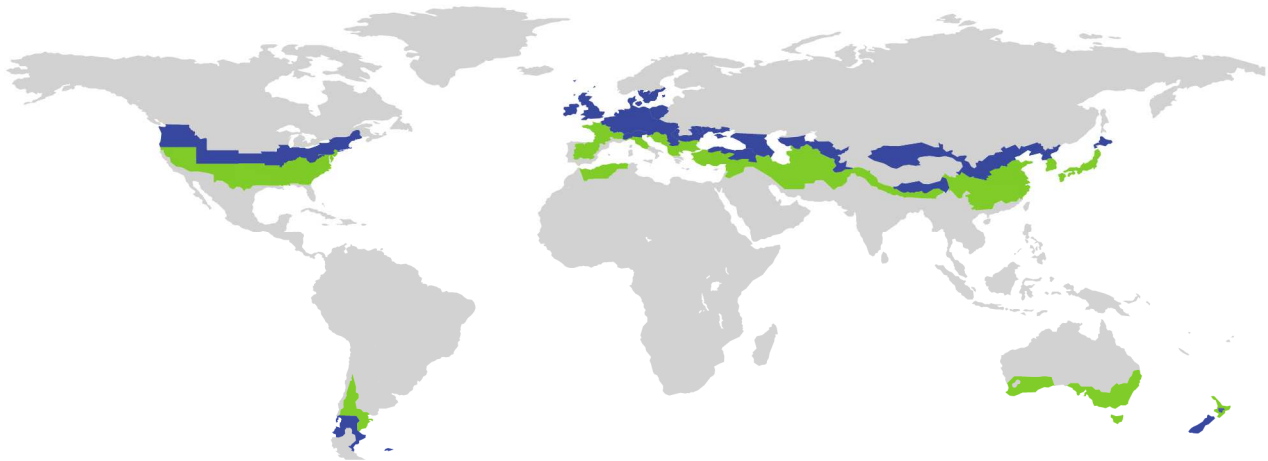
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Passive House Institute

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Category **Construction system | Solid construction**
Manufacturer **JUB d.o.o**
Dol pri Ljubljani
SLOVENIA
Product name **JUBIZOL PASSIVE**

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

$$f_{R_{si}=0,25m^2K/W} \geq 0.70$$

Comfort criterion

The U-value of the installed windows is

$$U_{W,i} \leq 0.85 \text{ W}/(m^2K)$$

Efficiency criteria

Heat transfer coefficient of building envelope

$$U \cdot f_{PHI} \leq 0.15 \text{ W}/(m^2K)$$

Temperaturfactor of opaque junctions

$$f_{R_{si}=0,25m^2K/W} \geq 0.86$$

Thermal bridge free design for key connection details

$$\Psi \leq 0.01 \text{ W}/(m^2K)$$

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

cool, temperate climate



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COMPONENT**

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www.passivehouse.com

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Determined values

Thermal heat transfer coefficient	Dimension [m]	U-Wert [W/(m²K)]
EW01 - External Wall	0.46	0.150
RO01 - Roof	0.36	0.114
FS01 - Floor Slab	0.59	0.142
FS02 - Floor Slab	0.65	0.102
BW01 - Basement Wall	0.30	0.448
BW01 - Basement Wall	0.39	0.237
BC01 - Basement Ceiling	0.45	0.164
Thermal bridge coefficient opaque envelop	fRsi [-]	Ψ [W/(mK)]
FRRP01 - Flat Roof Roof Parapet	0.93	-0.052