

CERTIFICATE

Certified Passive House Component

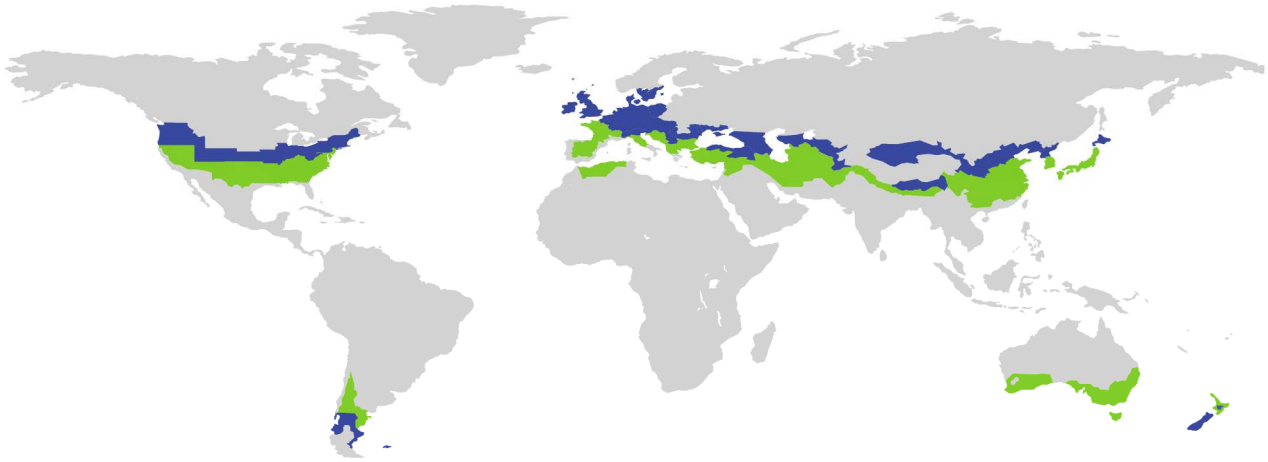
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Passive House Institute

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Category	Floorslab insulation system Concrete floor slab
Manufacturer	JUB d.o.o. Dol pri Ljubljani SLOVENIA
Product name	JUBHome BASE

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

$$f_{Rsi=0,25m^2K/W} \geq 0,70$$

Comfort criterion

The U-value of the installed windows is

$$U_{w,i} \leq 0,85 \text{ W}/(\text{m}^2\text{K})$$

Efficiency criteria

Heat transfer coefficient of building envelope

$$U \cdot f_{PHI} \leq 0,15 \text{ W}/(\text{m}^2\text{K})$$

Temperaturfactor of opaque junctions

$$f_{Rsi=0,25m^2K/W} \geq 0,86$$

Thermal bridge free design for key connection details

$$\Psi \leq 0,01 \text{ W}/(\text{m}^2\text{K})$$

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

cool, temperate climate



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COMPONENT**

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Determined values

Thermal heat transfer coefficient

	Dimension [m]	U-Wert [W/(m²K)]
EW01 - External Wall	0,47	0,120
EW02 - External Wall	0,56	0,125
EW03 - External Wall	0,41	0,107
FS01 - Floor Slab	0,63	0,124
FS02 - Floor Slab	0,69	0,104

Thermal bridge coefficient opaque envelop

	fRsi [-]	Ψ [W/(mK)]
FSEW01 - Floor Slab External Wall	0,97	-0,009
FSEW02 - Floor Slab External Wall	0,97	-0,013
FSEW03 - Floor Slab External Wall	0,95	-0,002
FSEW04 - Floor Slab External Wall	0,96	-0,007
FSEW05 - Floor Slab External Wall	0,95	0,008
FSEW06 - Floor Slab External Wall	0,96	0,006
FSIW01 - Floor Slab Internal Wall	0,98	0,012
FSIW02 - Floor Slab Internal Wall	0,98	0,010

Thermal bridge coefficient windows

	fRsi [-]	Ψ [W/(mK)]
WITH01 - Window threshold	0,77	0,003
WITH02 - Window threshold	0,77	-0,002
WITH03 - Window threshold	0,76	0,001
WITH04 - Window threshold	0,76	-0,005
WITH05 - Window threshold	0,76	0,023
WITH06 - Window threshold	0,76	0,020