Certificate

Certified Passive House Component
For cool temperate climates, valid until 31. December 2024

Passive House Institute
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Category:	**Floor Slab System**
Manufacturer:	**Hectar Intellectual Property BV**
	6883 ES Velp, NETHERLANDS
Product name:	**HECTAR *Passiv***

This certificate was awarded based on the following criteria:

Hygiene criterion:

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

Comfort criterion:

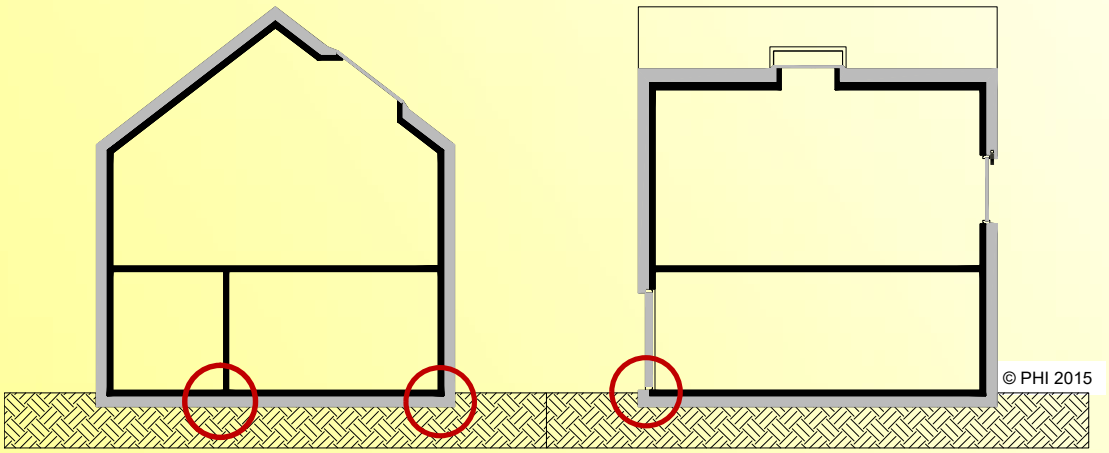
The U-value of the installed windows is	**$U_W \leq 0.85\ W/(m^2K)$**

Efficiency criteria:

Heat transfer coefficient of building envelope	**$U_{opaque} * f_{PHI} \leq 0.15\ W/(m^2K)$**
Opaque details	**$f_{Rsi=0,25\ m^2K/W} \geq 0.86$**
Thermal bridge free design for key connection details	**$\Psi_e \leq 0.01\ W/(mK)$**

An airtightness concept of all components and connection details is provided.

Certified connection details as per the certification report:



cool, temperate climate

CERTIFIED COMPONENT
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