

Certificate

Certified Passive House Component

For cool temperate climates, valid until 31. December 2018

Passive House Institute
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Category: **Floor Slab System**
Manufacturer: **Hectar Intellectual Property BV**
6881 CD 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 $f_{Rsi=0,25} \text{ m}^2\text{K/W} \geq 0.70$

Comfort criterion:

The U-value of the installed windows is $U_w \leq 0.85 \text{ W}/(\text{m}^2\text{K})$

Efficiency criteria:

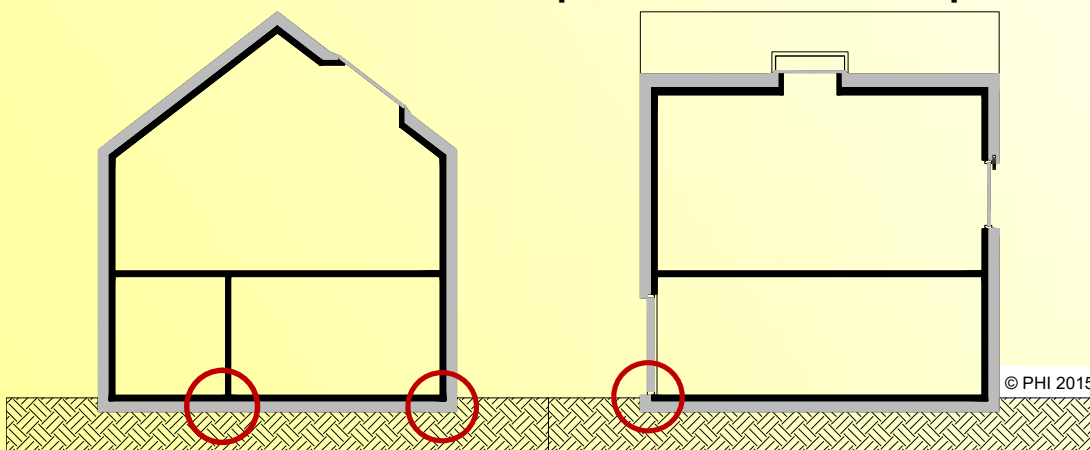
Heat transfer coefficient of building envelope $U_{\text{opaque}} * f_{PHI} \leq 0.15 \text{ W}/(\text{m}^2\text{K})$

Opaque details $f_{Rsi=0,25} \text{ m}^2\text{K/W} \geq 0.86$

Thermal bridge free design for key connection details $\Psi_e \leq 0.01 \text{ W}/(\text{mK})$

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

Certified connection details as per the certification report:



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