

Certificate

Certified Passive House component

For cool temperate climates, valid until 31 December 2019

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Category: **Floor Slab System**
Manufacturer: **Deutsche FOAMGLAS GmbH**
40724 Hilden, GERMANY
Product name: **PC® PERISAVE SYSTEM - Foamglaspassivhausdämmung**

This certificate was awarded based on the following criteria:

Heat transfer coefficient of building envelope:

$$f * U_{\text{opaque}} \leq 0.15 \text{ W}/(\text{m}^2\text{K})$$

with f: temperature reduction factor

Thermal bridge free design:

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

with Ψ_e : linear heat transfer coefficient

$$U_{\text{w,standard window, installed}} \leq 0.85 \text{ W}/(\text{m}^2\text{K})$$

with standard window: width 1.23 m; height 1.48 m

Interior surface temperatures above 17°C

at $\vartheta_{\text{ext}} = -10^\circ\text{C}$ und $\vartheta_{\text{int}} = 20^\circ\text{C}$

Airtightness of all components and connection details is provided

Certified connection details as per the certification report are listed below:

Enumeration of thermal bridge free connections

Having fulfilled all certification criteria, „PC® PERISAVE SYSTEM – Foamglaspassivhausdämmung“ has been certified as Passive House suitable for the following connection details:

- Plinth detail 1: heated basement
- Plinth detail 2.1: slab on grade (masonry wall)
- Plinth detail 2.2: slab on grade (concrete wall)
- Plinth detail 4: timber frame construction
- Plinth detail 5: cavity wall

