

Certificate

Certified Passive House component

For cool temperate climates, valid until 31 December 2015

Passive House Institute
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Category: **Wall System**
Manufacturer: **DAW SE; Geschäftsbereich alsecco**
36208 Wildeck, GERMANY
Product name: **alsecco Passivhaussystem**

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

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

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

Foundation/
exterior wall: a-p-20-01, a-p-20-02, a-p-20-03
Exterior wall: a-p-30-01, a-p-30-03, a-p-20-04
Roof: a-p-50-01, a-p-60-01, a-p-60-02
Windows: a-p-40-01, a-p-40-02, a-p-40-03, a-p-40-04

