

# Certificate

## Passive House suitable component

For cool temperate climates, valid until 31 December 2012

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Category: **Thermal bridge free connection**  
Manufacturer: **Egersund Tegl amba**  
**Sundgade 3**  
**DK-6320 Egersund, DENMARK**  
Product name: **Egersund Tegl - Passivhus System +C**

### 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  $\Psi_e$ : 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

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

Airtightness of all components and connection details is provided

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

(further Information see Appendix!)

Ground: ET\_07\_AW-BP, ET\_08\_IW-BP  
Exterior wall: ET\_03\_AK-AW, ET\_05\_IW-AW, ET\_06\_GD-AW  
Roof: ET\_01\_DA-AW-OG, ET\_02\_DA-AW-TR  
Windows:

