# Certificate

**Certified Passive House Component** for cool, temperate climate, valid until 31.12.2024

Category: Manufacturer:

Product name:

Attic staircase FAKRO Sp. z o.o. 33-300 Nowy Sacz, POLAND LWT

# This certificate was awarded based on the following criteria:

A given component size of 1.40 m by 0.70 m results in:

#### U<sub>D</sub> = 0.51 W/(m²K) ≤ $1.00 \text{ W}/(\text{m}^2\text{K})$

≤

2

0.70

Taking the installation situations into account, the component meets the following criterion.

**U**<sub>D.installed</sub>

Functional requirements of hygiene:

 $f_{Rsi} = 0.25 \text{ m}^2 \text{K/W}$ 

### Following thermal bridge coefficients $\Psi$ [W/(mK)] have been determined:

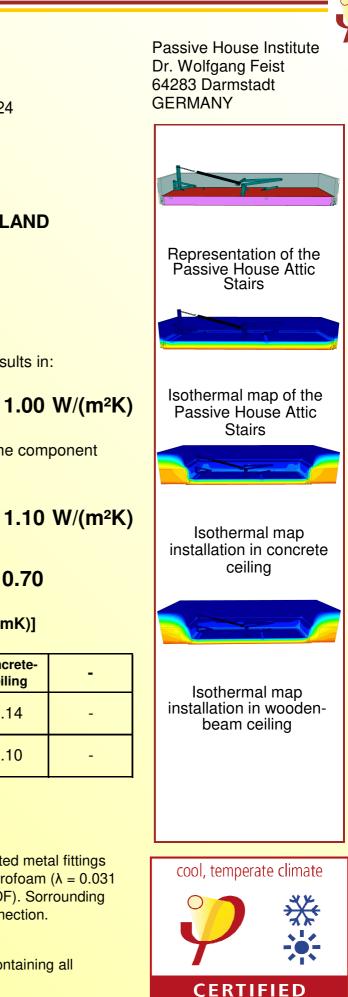
|  | Wooden- beam<br>ceiling | Concrete-<br>ceiling | - |
|--|-------------------------|----------------------|---|
| Thermal bridge coefficient<br>Ψ [W/(mK)] | 0.10                    | 0.14                 | - |
| U <sub>D,installed</sub> [W/(m²K)]       | 0.93                    | 1.10                 | - |

# Description

Attic stairs made of pinewood with thermally seperated metal fittings and 3 sealing-levels (EPDM). Attic stair hatch of Styrofoam ( $\lambda = 0.031$ W/mK) with a coating of high density fibreboard (HDF). Sorrounding insulation ( $\lambda = 0.035$  W/mK) to ceiling structure connection.

Please ask the manufacturer for a detailed report containing all calculations and results.

# www.passivehouse.com



COMPONENT

Passive House Institute

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