# Certificate

**Certified Passive House Component** for cool-temperate climate, valid until 31.12.2025

**Attic staircase** Category: Manufacturer: **Roto Frank Treppen GmbH** 86356 Neusäss, GERMANY Product name: Designo

## This certificate was awarded based on the following criteria:

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

$\mathbf{U}_{D}$	=	0.63	W/(m²K)	≤	1.00	W/(m²K)
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Taking the installation situations into account, the component meets the following criterion.

U<sub>D.installed</sub>

≤

2

Functional requirements of hygiene:

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

0.70

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

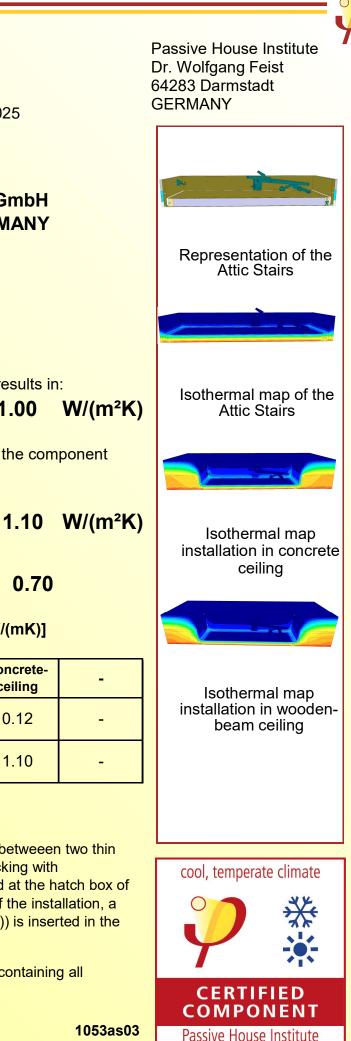
	Wooden- beam ceiling	Concrete- ceiling	-
Thermal bridge coefficient Ψ [W/(mK)]	0.08	0.12	-
U <sub>D,installed</sub> [W/(m²K)]	0.96	1.10	-

#### Description

PU - high performance insulation (0.024 W/(mK)) betweeen two thin coated chipboard panels. 6-point windowframe-locking with circumferential TPE-gasket. Metal-fittings mounted at the hatch box of chipboard. In order to reduce the thermal bridge of the installation, a polystyrene-particle foam granulate (0.033 W/(mK)) is inserted in the joint.

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

### www.passivehouse.com



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