

Certificate

Certified Passive House Component

for cool, temperate climate, valid until 31.12.2025

Passive House Institute
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Category: **Roof parapet connection**
Manufacturer: **WARMOTECH GmbH**
Product name: **D-04910 - Elsterwerda**
Phonotherm® Attikaelement

The following criteria were used in awarding this certificate:

Efficiency Criterion

The construction fulfils the requirement

$$\Psi \leq 0.010 \text{ W/(mK)}$$

Comfort Criterion

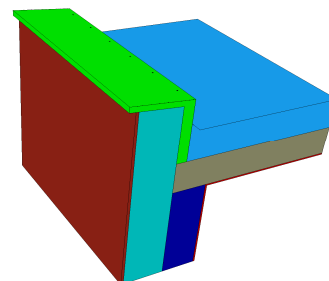
The inner surface must be warm enough to prevent mould as well as uncomfortable down-draught and radiation losses in relation to the standards.

$$\theta_{i,min} \geq 17^{\circ}\text{C}$$

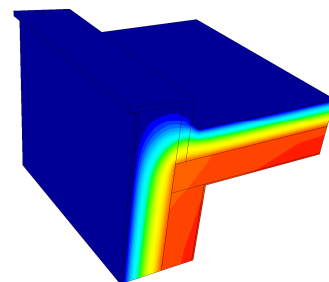
The following parameters were calculated:

Type	thermal bridge coefficient	minimum inner surface temperature
	$\Psi \text{ [W/(mK)]}$	$\theta_{i,min} \text{ [}^{\circ}\text{C]}$
EIFS	-0.029	17.8

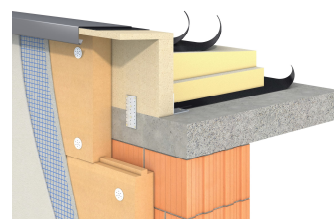
The parameters were determined by 3D heat flow simulations and take into account the influences of fasteners and fixings. For a two-dimensional simulation, a replacement model with the same dimensions with an equivalent thermal conductivity of $\lambda_{eq} = 0.147 \text{ W/mK}$ can be used.



Calculation model



Isothermal map



Representation

cool, temperate climate



**CERTIFIED
COMPONENT**

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