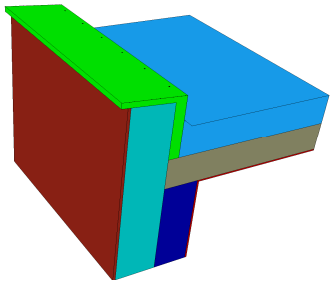
Certificate

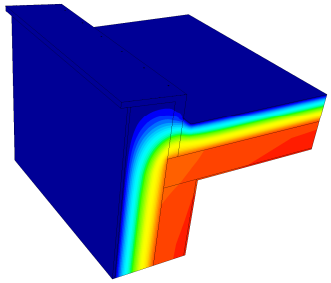
Certified Passive House Component
for cool, temperate climate, valid until 31.12.2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY

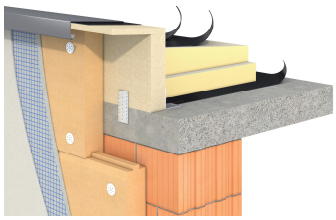
Category: **Roof parapet connection**
Manufacturer: **BOSIG Baukunststoffe GmbH**
D-04910 - Elsterwerda
Product name: **Phonotherm® Attikaelement**



Calculation model



Isothermal map



Representation

The following criteria were used in awarding this certificate:

Efficiency Criterion
The construction fulfils the requirement

$\Psi \leq 0.010$ W/(mK)

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

$\theta_{i,min} \geq 17°C$

The following parameters were calculated:

Type	thermal bridge coefficient Ψ [W/(mK)]	minimum inner surface temperature $\theta_{i,min}$ [°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 W/mK can be used.

cool, temperate climate

CERTIFIED COMPONENT
Passive House Institute