

Certificate

Certified Passive House component

for cool, temperate climate, valid until 31.12.2025

Category: Facade anchor

Manufacturer: BWM Fassadensysteme GmbH

70771 Leinfelden- Echterdingen

Product name: ZeLa bracket

with stainless steel guide bar

The following criteria were used in awarding this certificate:

Efficiency Criterion

In two typical applications*, the construction fulfills the requirements of

 $\Delta U_{WB} \leq 0.010 \text{ W/(m}^2\text{K)}$

Comfort Criterion

The inner surface must be warm enough to prevent mould as well as uncomfortable down-drought and radiation losses.

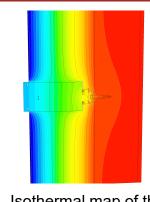
θ_{i.min} ≤ 17°C

Thermal data of the certified component

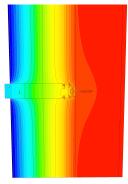
ZeLa	thermal bridge coefficient	minimum inner surface temperature
	χ [W/K]	θ _{i,min} [°C]
Fixed point	0.0101	19.34
Sliding point	0.0065	19.39
Fixed point small	0.0065	19.39

^{*} The criterion has been validated with two representative building a row house and a school building.

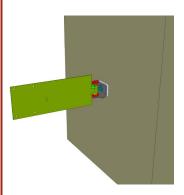
Passive House Institute Dr. Wolfgang Feist 64283 Darmstadt GERMANY



Isothermal map of the fixed point



Isothermal map of the sliding point



Representation of the fixed point

cool, temperate climate





CERTIFIED COMPONENT

Passive House Institute