

# Certificate

## Certified Passive House component

for cool, temperate climate, valid until 31.12.2026

Passive House Institute  
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Category: **Facade anchor**  
Manufacturer: **BWM Fassadensysteme GmbH**  
Product name: **70771 Leinfelden- Echterdingen**  
**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

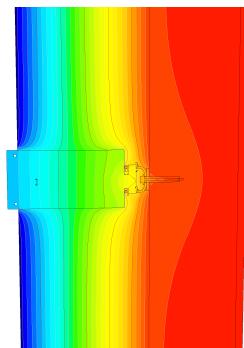
The inner surface must be warm enough to prevent mould as well as uncomfortable down-drought and radiation losses.

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

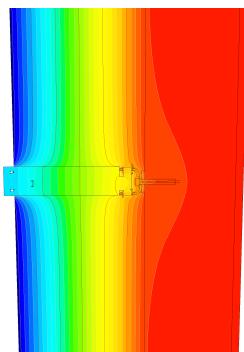
### Thermal data of the certified component

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

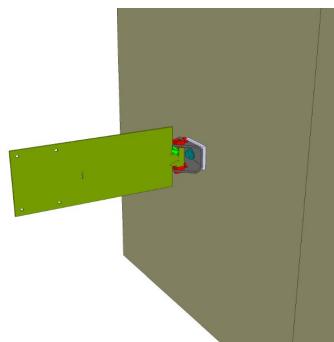
\* The criterion has been validated with two representative building a row house and a school building.



Isothermal map of the fixed point



Isothermal map of the sliding point



Representation of the fixed point

cool, temperate climate



**CERTIFIED  
COMPONENT**

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