

Certificate

Certified Passive House component

for cool, temperate climate, valid until 31.12.2020

Category: **Facade anchor**
 Manufacturer: **BSP Bracket System Polska sp. z o. o.**
04-388 Warszawa, POLAND
 Product name: **KW1 PAS/220**

The following criteria were used in awarding this certificate:

Efficiency Criterion

In a typical application*, the construction fulfills the requirements of

$$\text{Eff. fa} \leq 0.200 \text{ W/(kNK)}$$

Comfort Criterion

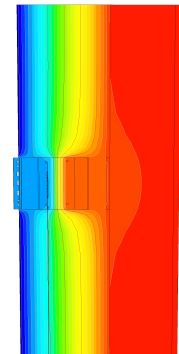
The inner surface must be warm enough to prevent mould as well as uncomfortable down-draught and radiation losses.

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

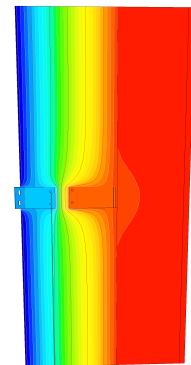
Thermal data of the certified component

KW1 PAS/220	thermal bridge coefficient	minimum inner surface temperature
	χ [W/K]	$\theta_{i,\min}$ [°C]
Fixed point	0.0093	19.37
Sliding point	0.0043	19.42

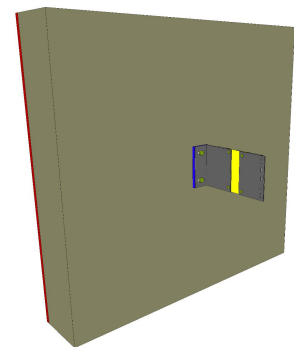
* The criterion has been validated with a representative facade of a school building



Isothermal map of the fixed point



Isothermal map of the sliding point



Representation of the fixed point

cool, temperate climate



CERTIFIED COMPONENT

Passive House Institute

Data sheet

BSP Bracket System Polska sp. z o. o., KW1 PAS/220

Manufacturer BSP Bracket System Polska sp. z o. o.
 Prochowa 35 lok. 31
 Warszawa, Poland
 www.bspsystem.com

Criteria validated based on reference facade	ΔU [W/m²K]
LC III	0.0113

In order to validate the suitability, the manufacturer provides a statical calculation and an associated installation plan for the reference facade.

The classification criteria and the load class allocation can be found in the current criteria "Zertifizierte Passivhaus Komponente – Fassadenanker, Version 2.0, 08.05.2017".

Load class (LC) / Facade weight		Thermal bridge coefficients [W/K]			
-	[kN/m ²]	X _{FP}	-	X _{SP}	-
III	0.21	0.0093		0.0043	
Efficiency	ΔU	Quantity / m ²			
[W/(kNK)]	[W/m ² K]	FP1	FP2	SP1	SP2
0.0538	0.0113	0.74		1.02	



Installation-plan reference facade of the certified component

Load-class (LC)	Facade cladding	Facade weight [kN/m ²]	Efficiency criterion fulfilled?
I	Aluminium laminated	0.100	yes
II	Plastic	0.150	yes
III	Fibre-cement plates	0.200	yes
IV	Acrylic glass	0.250	not evaluated
V	Concrete	0.300	not evaluated
VI	Ceramics	> 0.300	not evaluated