Certificate

Certified Passive House component
for cool, temperate climate, valid until 31.12.2019

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY

Category: **Facade anchor**
Manufacturer: **BSP Bracket System Polska sp. z o. o**
04-219 Warszawa, POLAND
Product name: **KW1 PAS/220**

The following criteria were used in awarding this certificate:

Efficiency Criterion

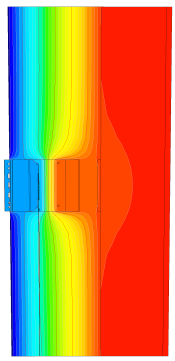
In a typical application*, the construction fulfills the requirements of

Eff.fa ≤ 0.200 W/(kNK)

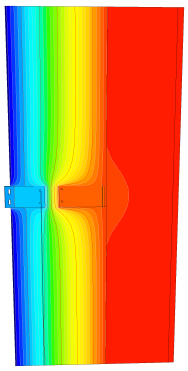
Comfort Criterion

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

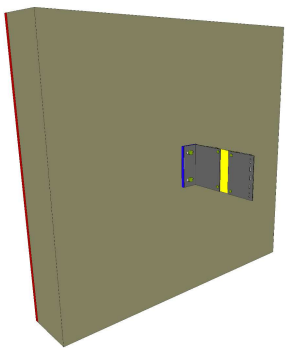
$\theta_{i,min}$ ≥ 17°C



Isothermal map of the fixed point



Isothermal map of the sliding point



Representation of the fixed point

Thermal data of the certified component

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

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

cool, temperate climate
phB
CERTIFIED COMPONENT
Passive House Institute

www.passivehouse.com **1299fa03**

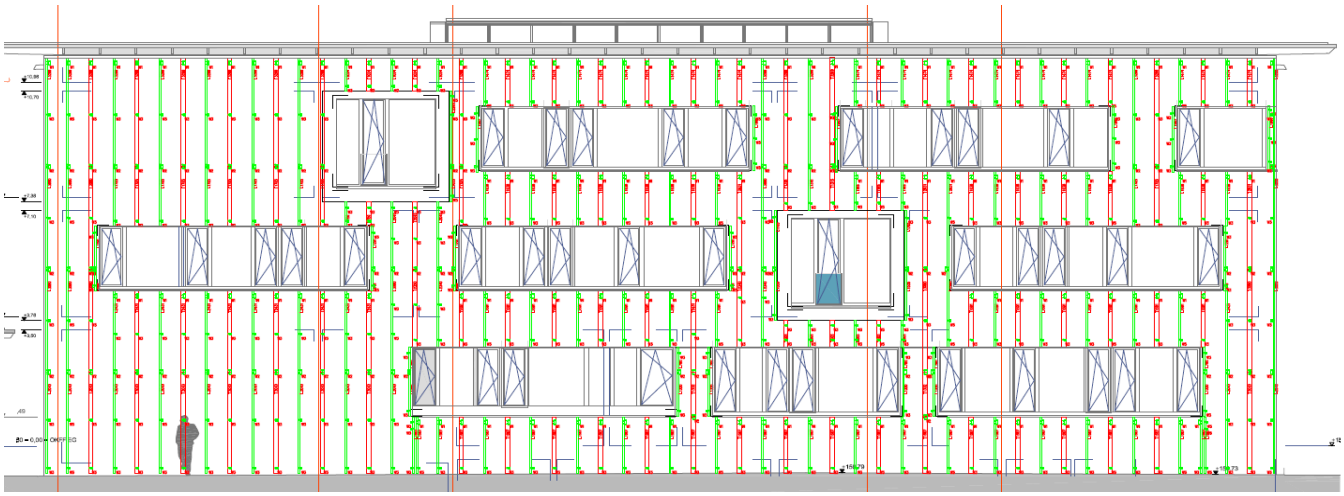
Data sheet BSP Bracket System Polska sp. z o. o., KW1 PAS/220

Manufacturer BSP Bracket System Polska sp. z o. o.
Pabianicka 26A lok. 3-4
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/m²]**	**X_{FP}**	**-**	**X_{SP}**	**-**
III	0.21	0.0093		0.0043	
Efficiency	**ΔU**	**Quantity / m²**			
[W/(kNK)]	**[W/m²K]**	**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/m²]	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