

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: **KW4 PAS**

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

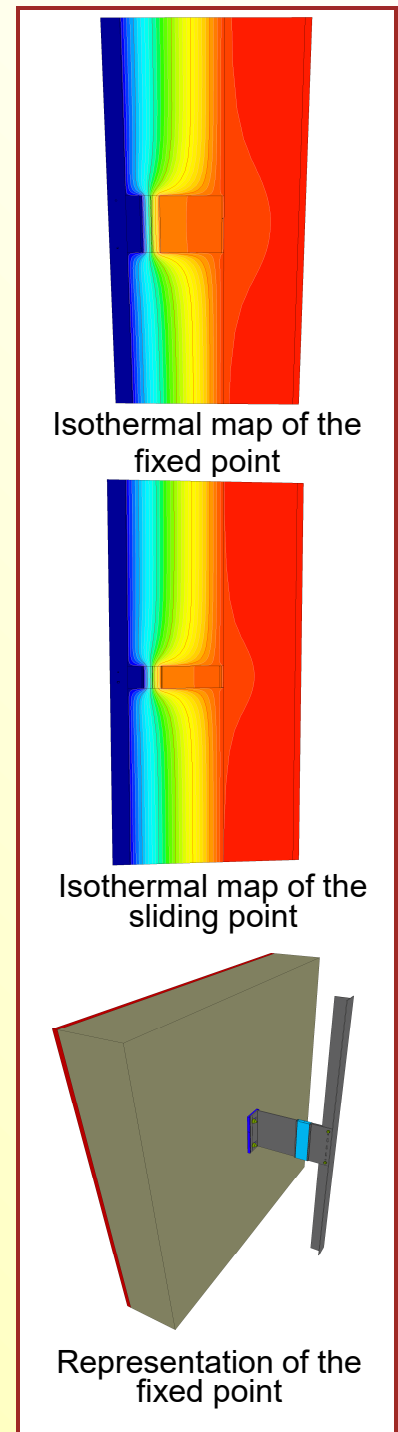
The inner surface must be warm enough to prevent mould as well as uncomfortable down-drafts and radiation losses.

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

Thermal data of the certified component

KW4 PAS	thermal bridge coefficient	minimum inner surface temperature
	χ [W/K]	$\theta_{i,min}$ [°C]
Fixed point 150	0.0104	19.33
Sliding point	0.0052	19.39

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



Data sheet

BSP Bracket System Polska sp. z o. o., KW4 PAS

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	0.0131

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	0.0104		0.0052	
Efficiency	ΔU	Quantity / m ²			
[W/(kNK)]	[W/m ² K]	FP1	FP2	SP1	SP2
0.0626	0.0131	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