Certificate

Certified Passive House component
for cool, temperate climate, valid until 31.12.2025

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY

Category: **Facade anchor**
Manufacturer: **EJOT AUSTRIA GmbH & Co KG**
8570 Voitsberg, AUSTRIA
Product name: **EJOT CROSSFIX Wall bracket**

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)

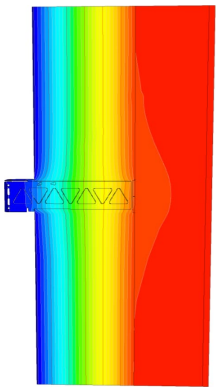
Comfort Criterion
The inner surface must be warm enough to prevent mould as well as uncomfortable down-drought and radiation losses.

$\theta_{i,min}$ ≥ 17°C

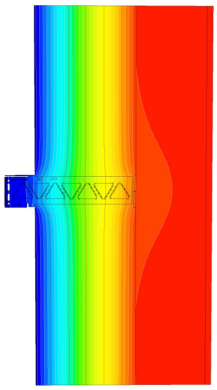
Thermal data of the certified component

EJOT CROSSFIX Wall bracket	thermal bridge coefficient χ [W/K]	minimum inner surface temperature $\theta_{i,min}$ [°C]
Fixed point	0.0098	19.37
Sliding point	0.0095	19.37

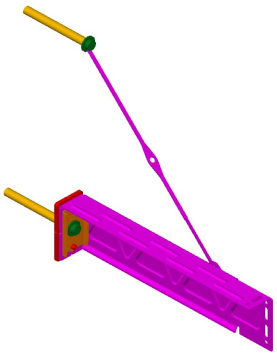
* The criterion has been validated with a representative facade of a school building



Isothermal map of the fixed point



Isothermal map of the sliding point



Representation of the component

cool, temperate climate

CERTIFIED COMPONENT
Passive House Institute

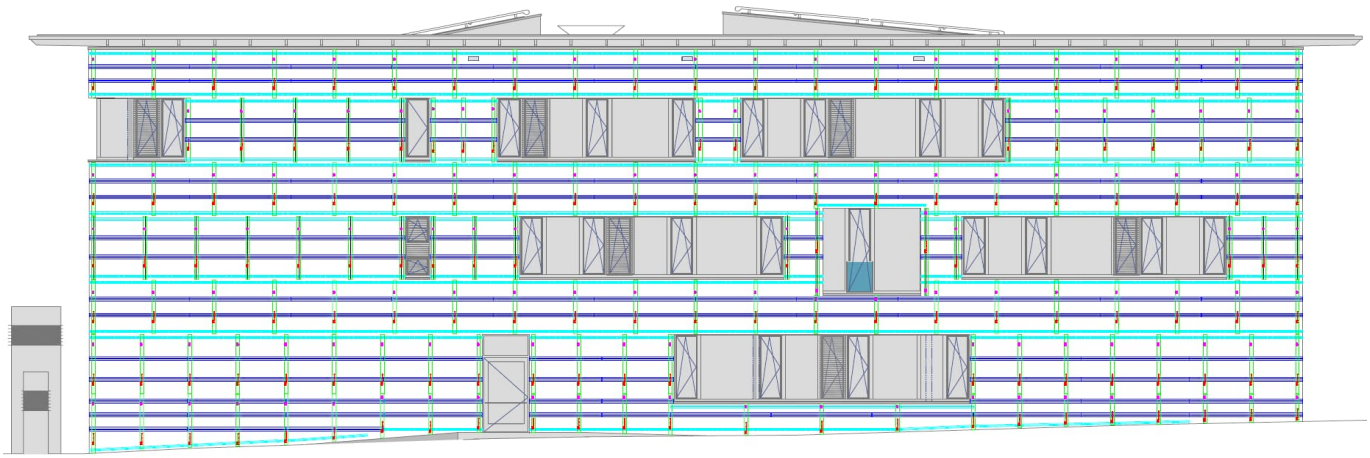
Data sheet EJOT AUSTRIA GmbH & Co KG, EJOT CROSSFIX Wall bracket

Manufacturer EJOT Austria GmbH& Co KG
Grazer Vorstadt 146, 8570 Voitsberg, AUSTRIA
Tel.: +43 664 1127750
www.ejot.at

Validation on reference facade	**ΔU [W/m²K]**
LK V	0.0086

For validation on the reference façade, a static calculation and an associated installation plan were prepared by the manufacturer.
The classification into the respective load class and the algorithms for classification can be found in the criteria "Certified Passive House Component – Facade Anchor, Version 2.0, 08.05.2017".

Load Class / Facade load			Thermal bridges [W/K]			
LC / Material		[kN/m²]	χ_{FP1}	χ_{FP2}	χ_{SP1}	χ_{SP2}
5	Ceramic	0.29	0.0098		0.0095	
[W/(kNK)]		[W/m²K]	Quantity per m²			
Efficiency		ΔU	FP1	FP2	SP1	SP2
0.0296		0.0086	0.44		0.45	



Installation plan of the certified component (reference facade)

Loadclass	Cladding	Facade load [kN/m²]	Efficiency criterion achieved?
I	Aluminum layered panels	0.075	yes
II	High Pressure Laminate	0.140	yes
III	Fibre cement board	0.180	yes
IV	Acrylic glass	0.220	yes
V	Ceramics	0.290	yes
VI	-	-	not evaluated