Certificate

Certified Passive House component
for cool, temperate climate, valid until 31.12.2026

Passive House Institute
64283 Darmstadt
GERMANY

Category: **Facade anchor**
Manufacturer: **Systea GmbH**
24588 Henstedt-Ulzburg, GERMANY
Product name: **Edelstahlhalter**

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)

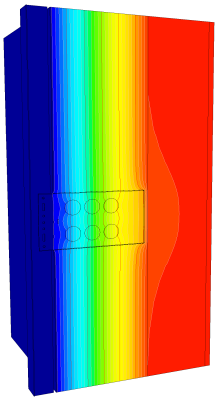
Comfort Criterion

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

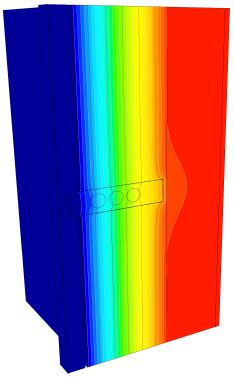
$\theta_{i,min}$ ≥ 17°C

Thermal data of the certified component

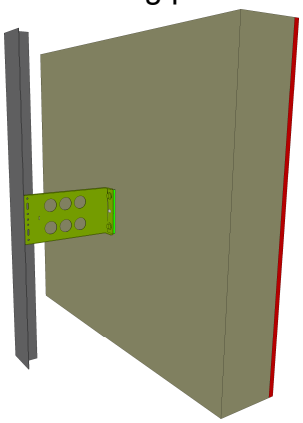
SYSTEA Edelstahl-halter	thermal bridge coefficient χ [W/K]	minimum inner surface temperature $\theta_{i,min}$ [°C]
Fixed point	0.0106	19.37
Sliding point	0.0055	19.42



Isothermal map of the fixed point



Isothermal map of the sliding point



Representation of the fixed point

cool, temperate climate
phA
CERTIFIED COMPONENT
Passive House Institute

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

www.passivehouse.com

1052fa03

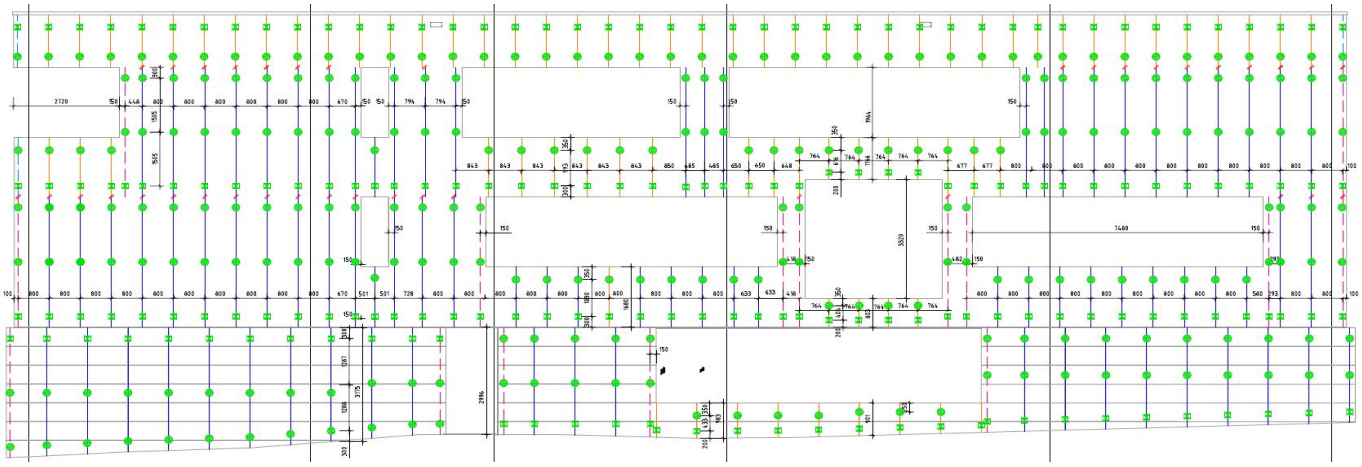
Data sheet Systea GmbH, Edelstahlhalter

Manufacturer Systea GmbH
Margarete-Steiff-Str. 6, 24588 Henstedt-Ulzburg
Tel.: +49 4193 9911-40
https://systea.systems/

Criteria validated based on reference facade	**ΔU [W/m²K]**
LC V	**0.0105**

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 / Facade weight		**Thermal bridge coefficients [W/K]**			
LC	**[kN/m²]**	**X_{GP}**	**X_{FP}**	**X_{FP150}**	**-**
V	0.35	0.0055	-	0.0106	-
Efficiency	**ΔU**	**Quantity / m²**			
[W/(kNK)]	**[W/m²K]**	**GP**	**FP**	**FP150**	**-**
0.0299	0.0105	0.82	-	0.56	-



Installation-plan reference facade of the certified component

Load-class (LC)	Facade cladding	Facade weight [kN/m²]	Efficiency criterion fulfilled?
I	Aluminium laminated	0.10	yes
II	Plastic	0.15	yes
III	Fibre-cement plates 10mm	0.20	yes
IV	Acrylic glass	0.25	yes
V	Fibre-cement plates 20mm	0.35	yes
VI	Concrete	0.60	not evaluated