

Certificate

Certified Passive House component

for cool, temperate climate, valid until 31.12.2021

Category: **Facade anchor**
 Manufacturer: **GIP GmbH**
38122 Braunschweig, GERMANY
 Product name: **VECO-Isotherm**

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

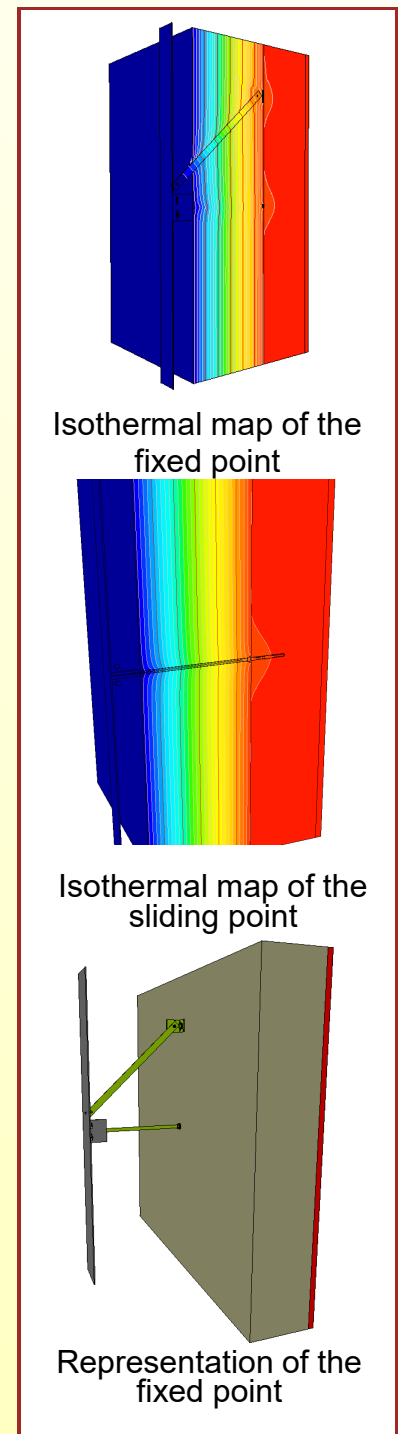
The inner surface must be warm enough to prevent mould as well as uncomfortable down-draught and radiation losses.

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

Thermal data of the certified component

VECO-Isotherm	thermal bridge coefficient χ [W/K]	minimum inner surface temperature $\theta_{i,\text{min}}$ [°C]
Fixed point	0.0045	19.44
Sliding point	0.0029	19.45

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



Data sheet GIP GmbH, VECO-Isotherm

Manufacturer GIP GmbH
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Validation on reference facade	ΔU [W/m²K]
LC VI	0.0065

In order to validate the suitability, the manufacturer provides a static 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]			
-	[kN/m ²]	X _{FP}	-	X _{SP}	-
VI	0.32	0.0045		0.0029	
[W/(kNK)]	[W/m ² K]	Quantity / m ²			
Efficiency	ΔU	FP1	FP2	SP1	SP2
0.2030	0.0065	0.65		1.23	



Installation-plan reference facade of the certified component

Load-class	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	yes
V	Concrete	0.300	yes
VI	Ceramics	> 0.300	yes