

Certificate

Certified Passive House component
for cool, temperate climate, valid until 31.12.2023

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

The following criteria were used in awarding this certificate:

Efficiency Criterion

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

$$Eff_{fa} \leq 0.200 \text{ W/(kNK)}$$

Comfort Criterion

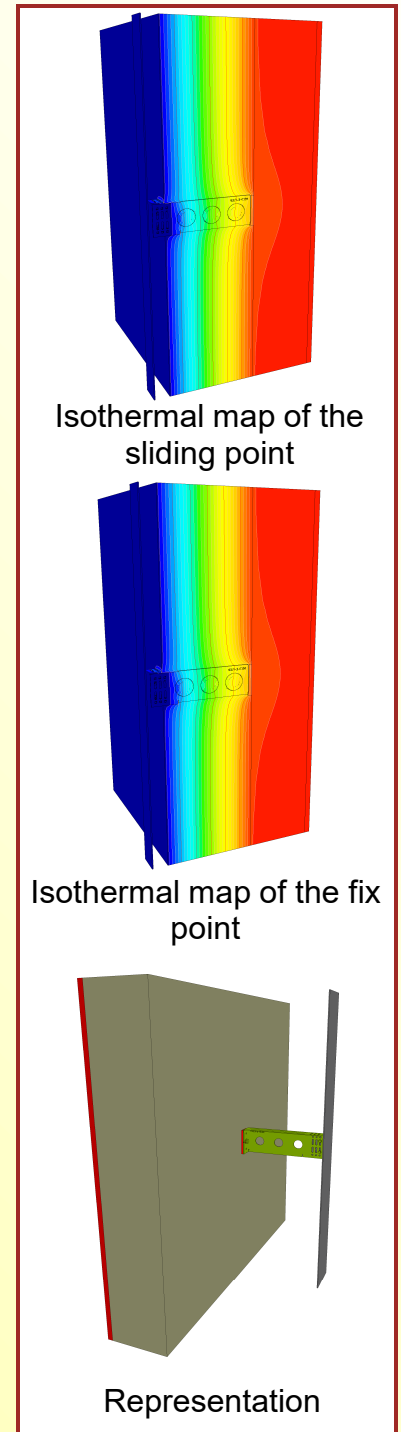
The inner surface must be warm enough to prevent mold as well as uncomfortable down-draught and radiation losses.

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

Thermal data of the certified component

	Thermal bridge coefficient	Minimum interior surface temperature
	χ [W/K]	$\theta_{i,min}$ [°C]
Sliding point	0.0080	19.37
Fix point	0.0080	19.37

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



cool, temperate climate



CERTIFIED COMPONENT

Passive House Institute

Data sheet GIP GmbH, VECO-FLEX

Manufacturer GIP GmbH
 Friedrich-Seele-Straße 1b, 38122 Braunschweig
 www.gip-fassade.com

Criteria validated based on reference facade	ΔU [W/m²K]
LC V	0.0177

In order to validate the suitability, the manufacturer provides a static calculation and an associated installation plan for the reference facade.

Load class / Facade weight		Thermal bridge coefficients [W/K]	
LC	[kN/m ²]	X _{FP}	X _{SP}
VI	0.30	0.0080	0.0080
Efficiency	ΔU	Quantity / m ²	
[W/(kNK)]	[W/m ² K]	FP	SP
0.0591	0.0177	0.825	1.404



Installation-plan reference facade of the certified component

Load-class (LC)	Facade cladding	Facade weight [kN/m ²]	Static testing provided?
I	ACM	0.10	yes
II	HPL	0.15	yes
III	Fiber-cement-plates	0.20	yes
IV	Fiber-cement-plates	0.25	yes
V	Ceramic	0.30	yes
VI	Stone	0.35	not evaluated

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".