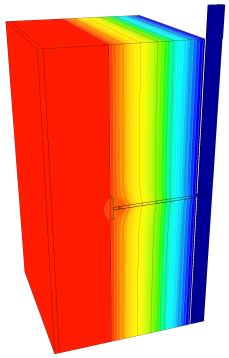
Certificate

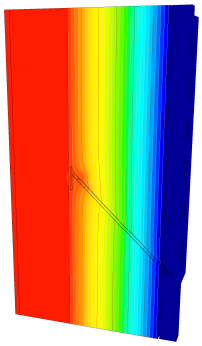
Certified Passive House component
for cold climate, valid until 31.12.2020

Passive House Institute
64283 Darmstadt
GERMANY

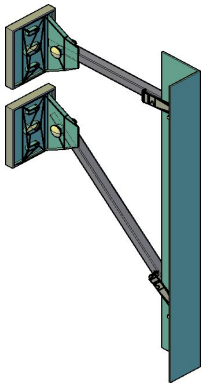
Category: **Facade anchor**
Manufacturer: **BEMO Systems GmbH**
74532 Ilshofen-Eckartshausen
GERMANY
Product name: **Tekofix A++**



Isothermal map of the horizontal anchor



Isothermal map of the inclined anchor



Representation

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 mold as well as uncomfortable down-drought and radiation losses.

$\theta_{i,min}$ ≥ 17°C

Thermal data of the certified component

	Thermal bridge coefficient χ [W/K]	Minimum interior surface temperature $\theta_{i,min}$ [°C]
Sliding point (0°)	0.0024	19.50
Sliding point (45°)	0.0016	19.51
Fixed point**	0.0041	19.42
FP sheet metal	0.0029	19.50

* The criterion has been validated with a representative facade of a school building
** The fixed point comprises both, a horizontal and and inclined stainless-steel anchor

cold climate
phA+
CERTIFIED COMPONENT
Passive House Institute

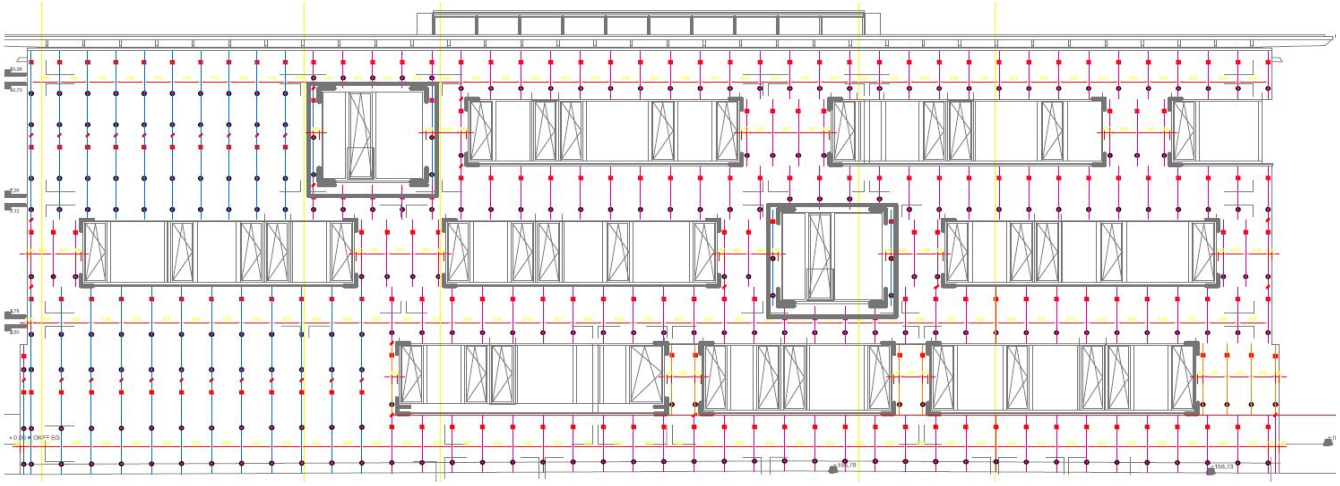
Data sheet BEMO Systems GmbH, Tekofix A++

Manufacturer BEMO Systems GmbH
Max-Eyth-Straße 2, 74532 Ilshofen-Eckartshausen, GERMANY
www.bemo.com

Criteria validated based on reference facade	Δ_U [W/m²K]
LC VI	**0.0051**

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

Load class / Facade weight		Thermal bridge coefficients [W/K]	
LC	[kN/m²]	X_{FP}	X_{SP}
VI	0.60	0.0041	0.0024
Efficiency	ΔU	Quantity / m²	
[W/(kNK)]	[W/m²K]	FP	SP
0.0085	0.0051	0.721	0.891



Installation-plan reference facade of the certified component

Load-class (LC)	Facade cladding	Facade weight [kN/m²]	Efficiency criterion fulfilled?
I	ACM	0.10	yes
II	HPL	0.15	yes
III	Fibre-cement-plates	0.20	yes
IV	Fibre-cement-plates	0.25	yes
V	Glassfacade	0.30	yes
VI	Marble	0.60	yes

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".