

Certificate

Certified Passive House component
for all climate zones, valid until 31.12.2023

Category: **Facade anchor**
 Manufacturer: **EJOT SE & Co. KG**
Bad Berleburg
GERMANY
 Product name: **EJOT® Iso-Bar / EJOT® Iso-Bar ECO**

The following criteria were used in awarding this certificate:

Efficiency Criterion

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

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

Comfort Criterion

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

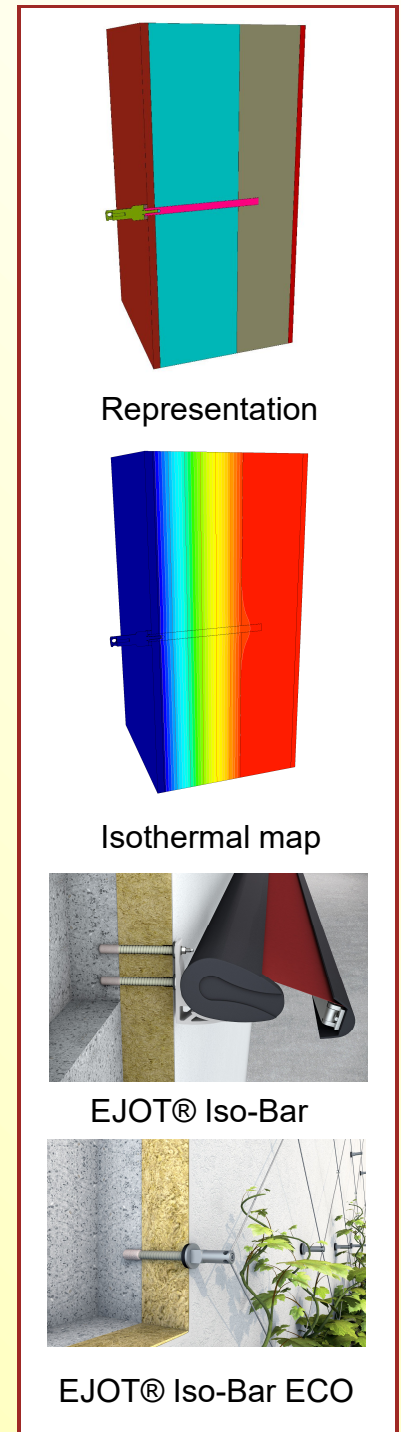
$$\theta_{\text{i,min}} \geq 17^{\circ}\text{C}$$

Thermal data of the certified component

	Thermal bridge coefficient **	Minimum interior surface temperature
	χ [W/K]	$\theta_{\text{i,min}}$ [°C]
EJOT® Iso-Bar ECO*	0.0009	19.32
EJOT® Iso-Bar**	0.0009	19.32

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

** For the subsequent attachment of medium-heavy to heavy attachments to ETICS facades, e.g. awnings, canopies or consoles for air conditioning units



Data sheet

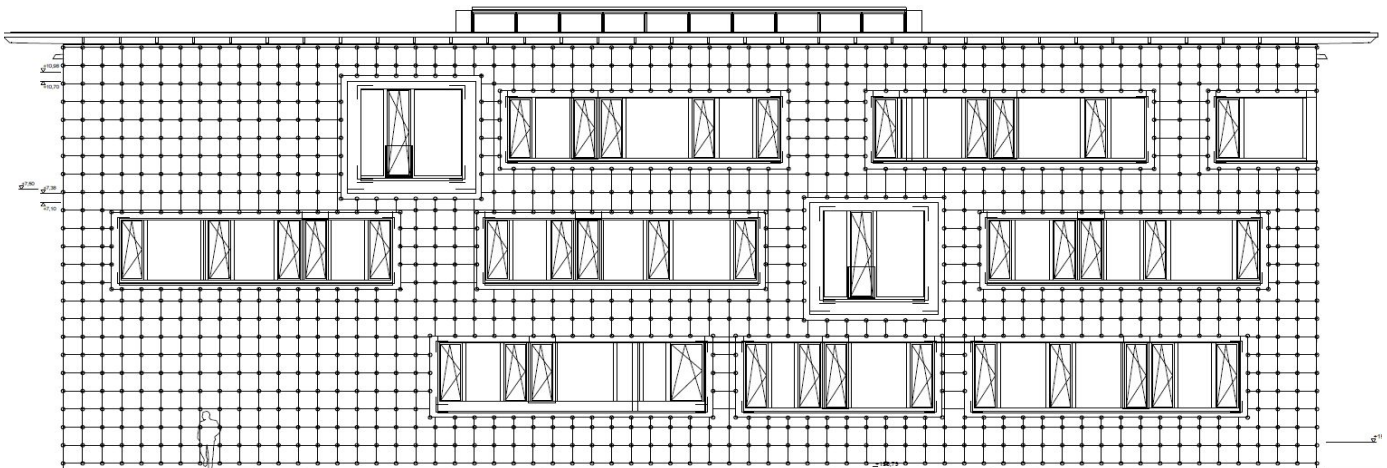
EJOT SE & Co. KG, EJOT® Iso-Bar / EJOT® Iso-Bar ECO

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 www.ejot.de/bau

Criteria validated based on reference facade	Δ_U [W/(m²K)]
LC VI	0.004

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

Energy efficiency [W/(kNK)]	Δ_U [W/(m ² K)]	Quantity / m ² [-]	Facade weight [kN/m ²]
0.0097	0.0041	4.53	0.42



Installation-plan reference facade of the certified component (LC V)

Load class (LC)	Plant example	Facade weight [kN/m ²]	Efficiency criterion achieved?
I	Leaf and petiole climber / spreading climber	0.05 - 0.22	yes
II			
III			
IV	Twine	0.18 - 0.42	yes
V			
VI	Scion climber	0.22 - 0.42	yes

Evidence is provided for waterlogged (25% surcharge) as well as for icy plants (80% surcharge). The dead weight loads shown refer to frozen plants, the dry weight is correspondingly lower.

The classification criteria and the load class allocation can be found in the current criteria "Certified Passive House Components – Façade Anchor, Version 2.1, 19.05.2021".