# Certificate

**Certified Passive House component**
for all climate zones, valid until 31.12.2026

Passive House Institute
64283 Darmstadt
GERMANY

Category: **Facade anchor**
Manufacturer: **EJOT SE & Co. KG**
**Market Unit Construction**
**Bad Laasphe**
**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

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

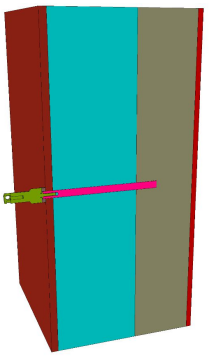
### Comfort Criterion

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

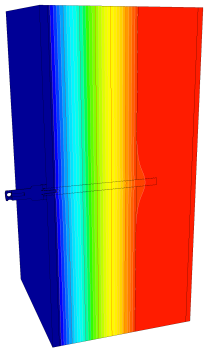
$\mathbf{\theta_{i,min} \geq 17°C}$

## Thermal data of the certified component

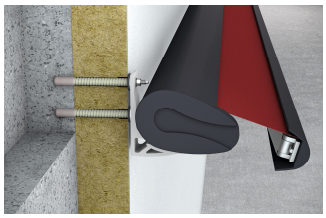
| | Thermal bridge coefficient ** $\chi$ [W/K] | Minimum interior surface temperature $\theta_{i,min}$ [°C] |
|---|---|---|
| EJOT® Iso-Bar ECO* | 0.0009 | 19.32 |
| EJOT® Iso-Bar** | 0.0009 | 19.32 |



Representation



Isothermal map



EJOT® Iso-Bar

EJOT® Iso-Bar ECO

* 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

CERTIFIED COMPONENT
Passive House Institute

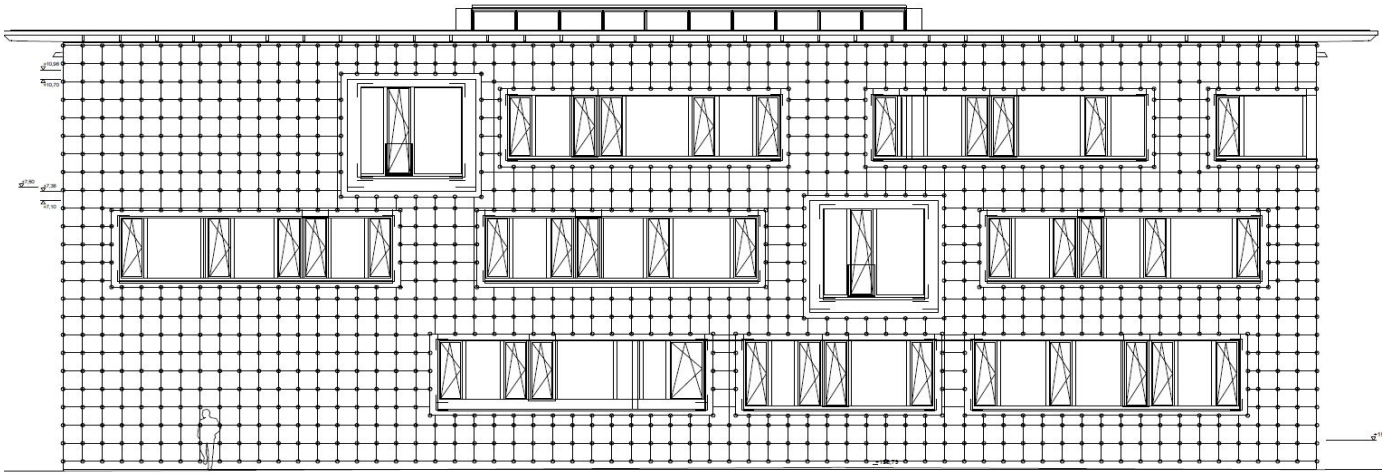
# Data sheet EJOT SE & Co. KG, EJOT® Iso-Bar / EJOT® Iso-Bar ECO

**Manufacturer** EJOT SE & Co. KG Market Unit Construction
In der Stockwiese 35, 57334 Bad Laasphe
Tel.: +49 2752 908-0
wdvs@ejot.com www.ejot.de/bau

| Criteria validated based on reference facade | $\Delta_U$ [W/(m²K)] |
|---|---|
| **LC VI** | **0.004** |

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

| Energy efficiency | $\Delta_U$ | Quantity / m² | Facade weight |
|---|---|---|---|
| [W/(kNK)] | [W/(m²K)] | [-] | [kN/m²] |
| 0.0097 | 0.0041 | 4.53 | 0.42 |



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

| Load class (LC) | Plant example | Facade weigth [kN/m²] | 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".