

# Certificate

## Certified Passive House component

for cool, temperate climate, valid until 31.12.2025

Category: **Facade anchor / Corbel**  
 Manufacturer: **Schöck Bauteile GmbH**  
**Baden-Baden, GERMANY**  
 Product name: **Schöck Isokorb® XT Type O**

**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

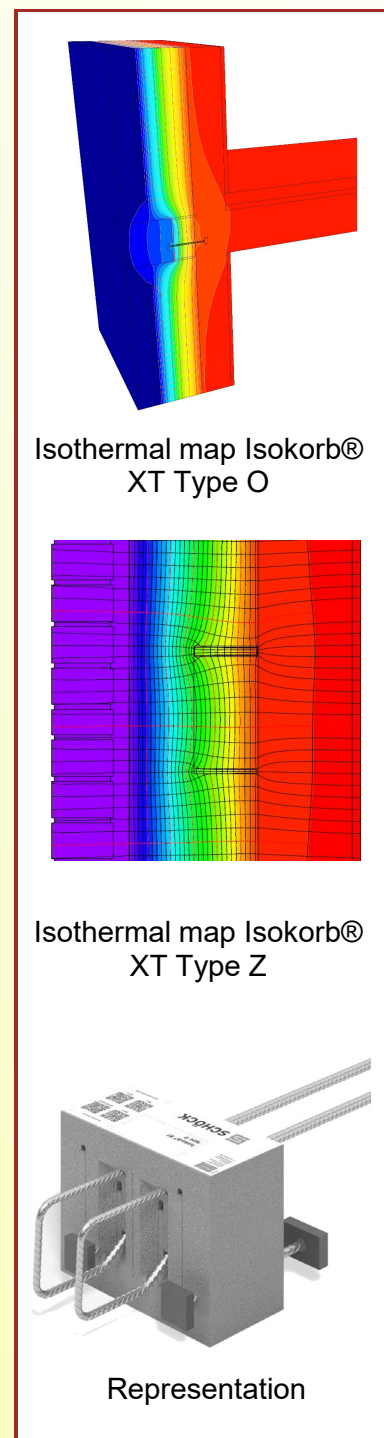
Schöck Isokorb® XT Type O	Thermal bridge coefficient	Minimum interior surface temperature
	$\chi$ [W/K]	$\theta_{\text{i,min}}$ [°C]
Schöck Isokorb® XT Type O	0.0621	18.97
	Thermal bridge coefficient**	Minimum interior surface temperature
	$\psi$ [W/(mK)]	$\theta_{\text{i,min}}$ [°C]
Schöck Isokorb® XT Type O	0.055	18.97

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

\*\* For the intermediate insulation (corbel distance: 1m), Schöck Isokorb® XT Type Z is included in the thermal bridge loss coefficient.

[www.passivehouse.com](http://www.passivehouse.com)

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# Data sheet Schöck Isokorb® XT Typ O

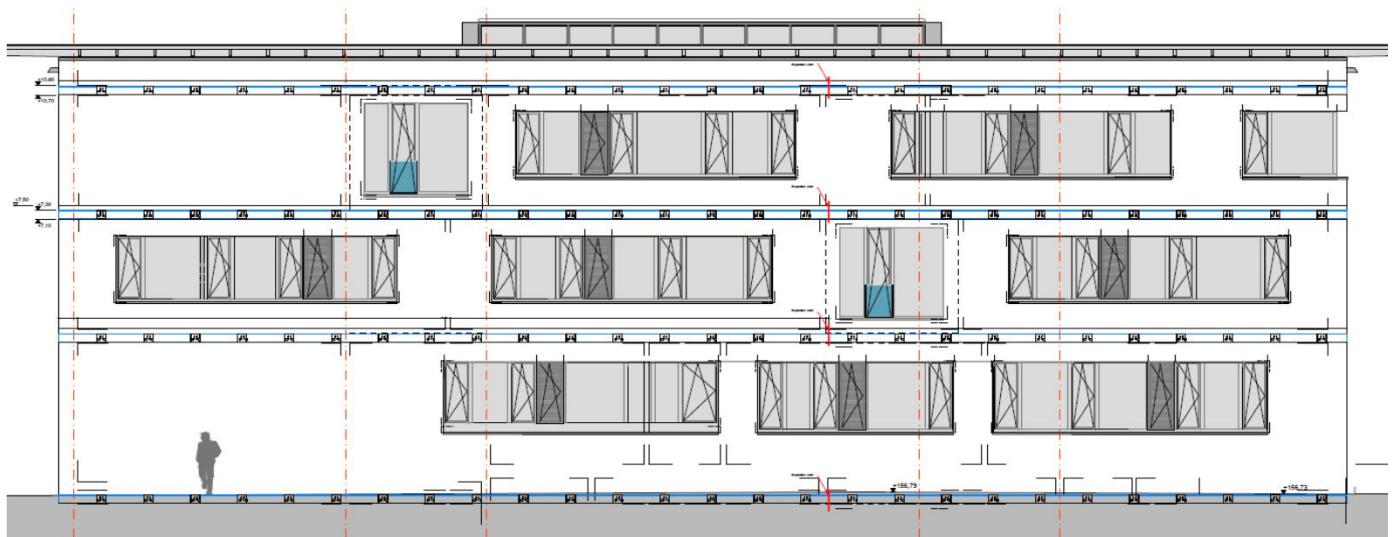
**Manufacturer** Schöck Bauteile GmbH  
 Schöckstraße 1, 76534 Baden-Baden  
 www.schoeck.com

Criteria validated based on reference facade	<b><math>\Delta U</math> [W/m<sup>2</sup>K]</b>
<b>LC VI</b>	<b>0.0318</b>

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

The calculations are carried out for a reference facade with 24 cm insulation (0.035 W/(mK)). To achieve a heat transfer coefficient of  $U_{\text{effective}} = 0.15 \text{ W/m}^2\text{K}$ , an additional insulation thickness of 2 cm is necessary.

Efficiency Eff. <sub>fa</sub>	$\Delta U$	Quantity / m <sup>2</sup>	
[W/(kNK)]	[W/m <sup>2</sup> K]	Type O [P/m <sup>2</sup> ]	Type Z [m/m <sup>2</sup> ]
0.0636	0.0318	0.470	0.350



140 x Isokorb® XT Typ O -V1-NN1-REI120- LR125  
 -X120-H250-L250-5.0  
 140 x Isokorb® XT Typ Z -EI120-X120 -H250-5.0

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

Load-class (LC)	Facade cladding	Facade weight [kN/m <sup>2</sup> ]	Efficiency criterion fulfilled?
I	Aluminium laminated	0.10	not evaluated
II	ACM	0.15	not evaluated
III	Fiber-cement plates	0.20	yes
IV	Acrylic glass	0.25	yes
V	Ceramics	0.30	yes
VI	Brick	0.50	yes

The classification criteria and the load class allocation can be found in the current criteria "Certified Passive House components – Facade anchors, Version 2.1, 27.05.2021".