

Certificate

Certified Passive House Component

for cool, temperate climate, valid until 31.12.2019

Category: **Balcony connection**
Slab thickness 160 - 250mm

Manufacturer: **Schöck Bauteile GmbH**
76534 Baden-Baden GERMANY

Product name: **Schöck Isokorb® Type QXT**

The following criteria were used in awarding this certificate:

Efficiency Criterion

In two typical applications*, the construction is

$$\Delta U_{WB} \leq 0.010 \text{ W/(m}^2\text{K)}$$

Comfort Criterion

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

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

Following heat transmission coefficients Ψ [W/(mK)] were determined:

| Product | Slab thickness | | | | |
|--------------|----------------|-------|-------|-------|-----|
| | 160 | 180 | 200 | 220 | 250 |
| QXT10 | 0.069 | 0.072 | 0.079 | 0.084 | - |
| QXT30 | 0.078 | 0.079 | 0.080 | 0.086 | - |

* The criterion was validated on both, a row house and a apartment dwelling.
(according to criteria "balcony connection" v2.1.1)
The certificate includes types with minor statical performance.
Thermal bridge coefficients can be approximated by linear interpolation.

