

Certificate

Certified Passive House Component

for cool, temperate climate, valid until 31.12.2024

Category: **Balcony connection**
Slab thickness 160 - 250mm
Manufacturer: **Schöck Bauteile GmbH**
76534 Baden-Baden GERMANY
Product name: **Schöck Isokorb® XT Typ K**

The following criteria were used in awarding this certificate:

Efficiency Criterion

In two typical applications*, the construction is

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

Comfort Criterion

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

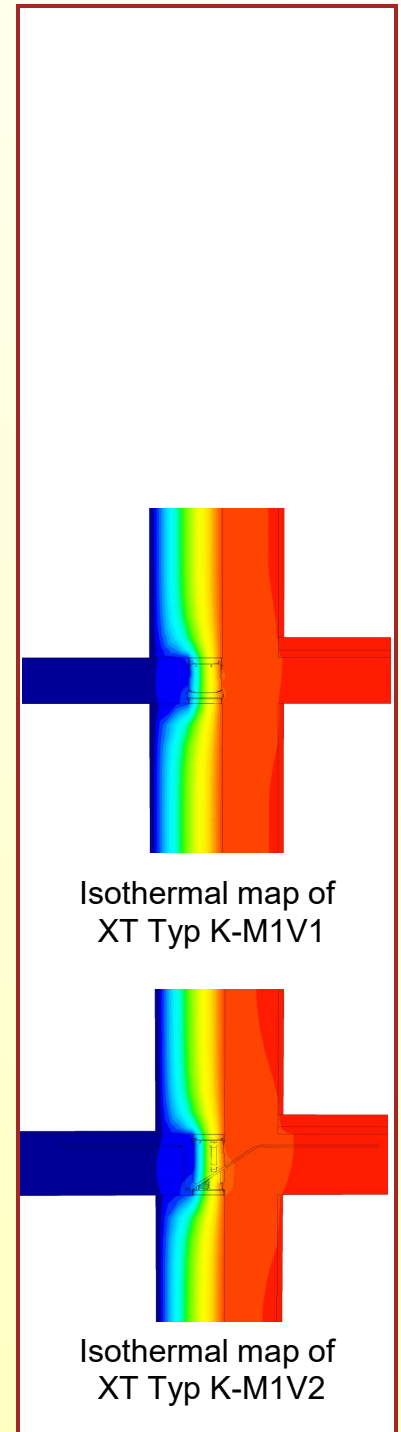
$$\theta_{i,\min} \geq 17^\circ\text{C}$$

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

Product	Slab thickness				
	160	180	200	220	250
XT Typ K-M1V1	-	0.083	-	-	-
XT Typ K-M1V2	-	-	-	-	0.103

* 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.

www.passivehouse.com



cool, temperate climate



CERTIFIED COMPONENT

Passive House Institute

Certificate

valid until 31.12.2024

 **Passivhaus
Institut**
Rheinstraße 44/46
D-64283 Darmstadt

Balcony connection

suitable for connections with fire protection requirements

**Low Energy
Component**

**Schöck Isokorb® XT Typ K - REI
160-250mm slab thickness**

**Manufacturer: Schöck Bauteile GmbH
Vimbucher Str. 2 76354 Baden-Baden**

The following criteria were used in awarding this certificate:

Efficiency Criterion

In two typical applications^{*)}, the construction is

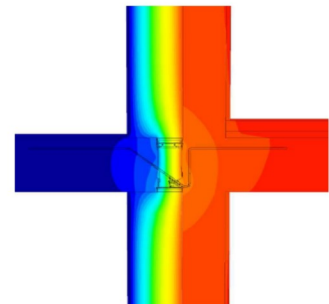
$$\Delta U_{WB} < 0.025 \text{ W/(m}^2\text{K)}$$

Comfort Criterion

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

$$\theta_{i,min} > 17.00 \text{ }^\circ\text{C}$$

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



Isothermal map of
XT Typ K-M6VV1

Product	Slab thickness				
	160	180	200	220	250
XT Typ K-M3V1 REI120	-	0.132	-	-	-
XT Typ K-M6V2 REI120	-	-	-	0.179	-
XT Typ K-M6VV1 REI120	-	-	-	0.207	0.216

^{*)} 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. The thermal bridge
coefficient can be approximated by linear interpolation

