

Certificate

valid until 31.12.2022

 **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

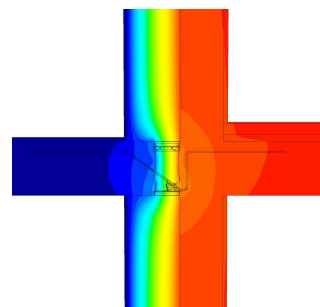
$$\Delta U_{WB} < 0.025 \quad \text{W/(m}^2\text{K)}$$

Comfort Criterion

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

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

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

