


# Certificate

valid until 31.12.2024

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

## Balcony connection

**Low Energy  
Component**

**Schöck Isokorb® XT Typ K  
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<sup>\*)</sup>, the construction fulfills the requirement of

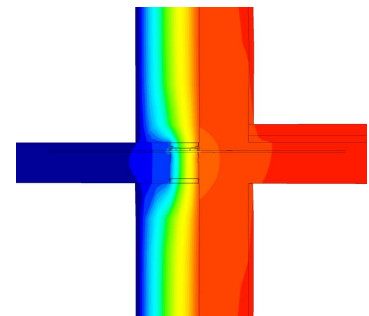
$$\Delta U_{WB} < 0.025 \text{ W/(m}^2\text{K)}$$

### 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 ( $\Psi$  [W/(mK)])  
were validated:**



Isothermal map of  
XT Typ K-M6V2

Product	Slab thickness				
	160	180	200	220	250
XT Typ K-M3V1	-	0.115	-	0.117	-
XT Typ K-M4V1	-	0.133	-	-	-
XT Typ K-M6V1	-	0.148	0.149	0.149	-
XT Typ K-M6V2	-	0.150	-	-	-
XT Typ K-M8V1	-	0.184	0.185	-	-

<sup>\*)</sup> 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

