


# Certificate

valid until 31.12.2019

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

## Balcony connection

**Low Thermal Bridge  
Construction**

**Schöck Isokorb®T Typ SQ und SK  
220 mm 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>1)</sup>, the construction achieves 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)])**

Schöck Isokorb® Type	Min. temperature of the inner surface $\theta_{i,min}$ [°C]	Thermal bridge coefficient $\chi$ [W/K]
T Typ SQ-V2 220	18.67	0.081
T Typ SQ-V3 220	18.64	0.085
T Typ SK-M1V1 220	18.52	0.100
T Typ SK-MM2VV1 220	18.14	0.139

<sup>1)</sup> The criterion was validated on both, a row house and a apartment dwelling  
The certificate includes types with minor statical performance.

