

Certificate

valid until 31.12.2020

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

Balcony connection

Low Thermal Bridge
Construction

**Schöck Isokorb® RT type
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 applications¹⁾, 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 (Ψ [W/(mK)])

Schöck Isokorb® Type	Min. temperature of the inner surface $\theta_{i,min}$ [°C]	Thermal bridge coefficient χ [W/K]
RT Typ SK 220	18.89	0.096
RT Typ SQ 220	18.98	0.080

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

