


# Certificate

valid until 31.12.2023

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

## Balcony connection

Low Thermal Bridge  
Construction

Schöck Isokorb® RT type  
180 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]
RT Typ SK 180	18.93	0.091
RT Typ SQ 180	19.01	0.077

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

