

# Certificate

## Certified Passive House Component

for cool, temperate climate, valid until 31.12.2020

Passive House Institute  
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Category: **Balcony connection**  
**Slab thickness 180 - 220 mm**  
Manufacturer: **Schöck Bauteile GmbH**  
**76534 Baden-Baden, GERMANY**  
Product name: **Schöck Isokorb® XT Typ SQ**  
**Schöck Isokorb® XT Typ SK**

The following criteria were used in awarding this certificate:

### Efficiency Criterion

In two typical applications\*, the construction fulfills the requirement of

$$\Delta U_{WB} \leq 0.010 \text{ W}/(\text{m}^2\text{K})$$

### Comfort Criterion

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

$$\theta_{i,\min} \geq 17^\circ\text{C}$$

Following heat transmission coefficients  $\chi$  [W/K] and surface temperatures  $\theta_{i,\min}$  [°C] have been validated:

Product	Slab thickness [mm]	$\chi$ [W/K]	$\theta_{i,\min}$ [°C]
XT Typ SQ-V1	180	0.062	19.09
XT Typ SQ-V1	220	0.064	19.05
XT Typ SQ-V2	180	0.068	19.04
XT Typ SQ-V2	220	0.069	19.02
XT Typ SQ-V3	180	0.072	19.01
XT Typ SQ-V3	220	0.075	18.99
XT Typ SK-M1V1	180	0.085	19.01
XT Typ SK-M1V1	220	0.089	18.96

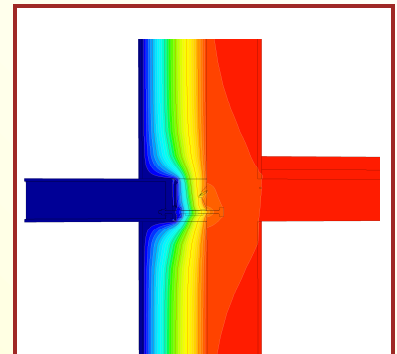
\* The criterion was validated on both, a row house and a apartment dwelling.

(according to criteria "balcony connection" v2.1.1)

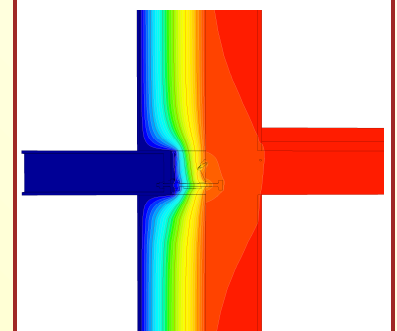
The certificate includes types with minor statical performance.

Thermal bridge coefficients can be approximated by linear interpolation.

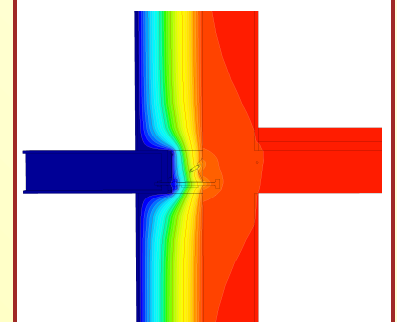
[www.passivehouse.com](http://www.passivehouse.com)



Isothermal map of the  
XT Typ SQ-V1  
- H180



Isothermal map of the  
XT Typ SQ-V2  
- H180



Isothermal map of the  
XT Typ SQ-V3 - H180

cool, temperate climate



**CERTIFIED  
COMPONENT**

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