Certificate

valid until 31.12.2018

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Balcony connection

suitable for connections with fire protection requirements

Low Energy Component

Schöck Isokorb® Type KXT-REI 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

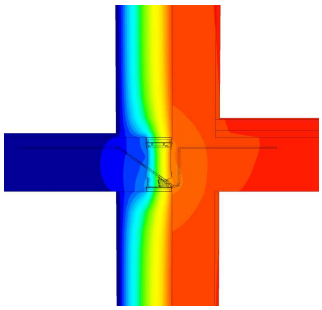
In two typical applications*), the construction is

$$\Delta U_{WB} < 0{,}025 \quad W/(m^2K)$$

Comfort Criterion

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

$$\theta_{i,min} > 17{,}00 \quad °C$$



Isothermal map of KXT50-VV-REI120

Following heat transmission coefficients (Ψ [W/(mK)]) were validated:

Product	Slab thickness				
	160	180	200	220	250
KXT30-V6-REI120	-	0.132	-	-	-
KXT50-V8-REI120	-	-	-	0.179	-
KXT50-VV-REI120	-	-	-	0.207	0.216

*) 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

PHI Low Energy Component