Certificate

valid until 31.12.2018

Passivhaus Institut
Dr. Wolfgang Feist
Rheinstraße 44/46
D-64283 Darmstadt

Balcony connection

Low Energy Component

Schöck Isokorb®
Typ KXT-Combar-REI120
160 - 250 mm slab thickness

Manufacturer: **Schöck Bauteile GmbH**
76534 Baden-Baden, GERMANY

The following criteria were used in awarding this certificate:

Efficiency Criterion

In two typical applications*), the construction is

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

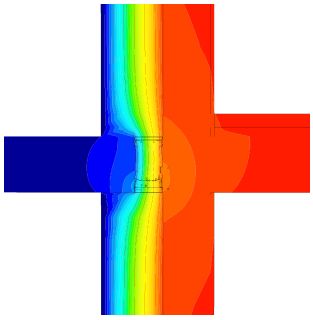
Comfort Criterion

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

$$\theta_{i,min} > 17{,}00 \quad °C$$

Following heat transmission coefficients ψ [W/(mK)] have been validated:

Product	slab thickness [mm]			
	180	200	220	250
KXT60-Combar-V10-REI120	-	0.166	-	-
KXT75-Combar-V10-REI120	-	0.185	-	-
KXT95-Combar-V10-REI120	-	0.190	-	0.198



Isothermal map of the KXT95-Combar-V10-H250-REI120

*) The criterion was validated on both, a row house and an 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