

Certificate

Certified Passive House Component

for cool, temperate climate, valid until 31.12.2019

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY

Category: **Balcony connection**
Slab thickness 160 - 200 mm

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

Product name: **Schöck Isokorb®**
Typ KXT-Combar-REI120

The following criteria were used in awarding this certificate:

Efficiency Criterion

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

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

Comfort Criterion

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

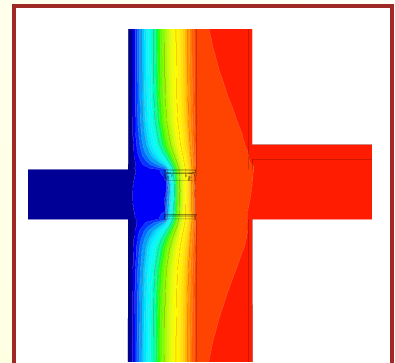
$$\theta_{i,\min} \geq 17^\circ\text{C}$$

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

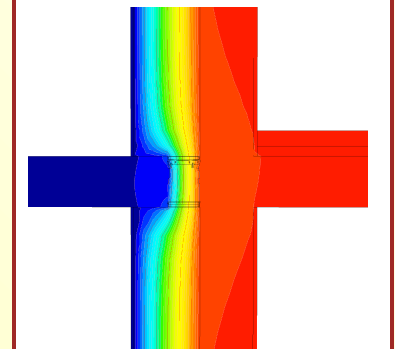
Product	slab thickness [mm]			
	180	200	220	250
KXT15-Combar-V6-REI120	-	0.093	-	-
KXT15-Combar-V8-REI120	-	0.100	-	-
KXT25-Combar-V6-REI120	-	0.097	-	-

* 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.

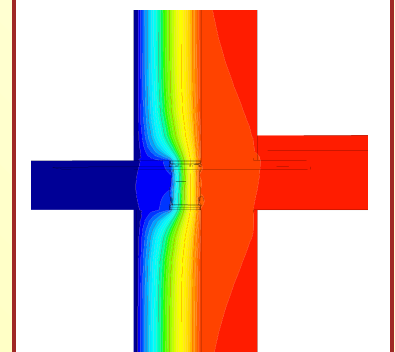
www.passivehouse.com



Isothermal map of the
KXT15-Combar-V6-
H200-REI120



Isothermal map of the
KXT15-Combar-V8-
H200-REI120



Isothermal map of the
KXT25-Combar-V6-
H200-REI120

cool, temperate climate




**CERTIFIED
COMPONENT**

Passive House Institute

Certificate

valid until 31.12.2019

 **Passivhaus
Institut**
Dr. Wolfgang Feist
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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 applications¹⁾, the construction is

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

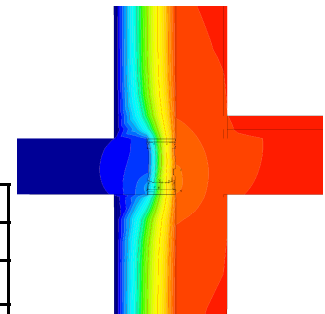
Comfort Criterion

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

$$\theta_{i,min} > 17,00 \quad ^\circ\text{C}$$

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-REI120

¹⁾ 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 static performance. The thermal bridge coefficient can be approximated by linear interpolation

