Certificate

valid until 31.12.2019

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

Balcony connection

Low Energy Component

Schöck Isokorb® Type KXT 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

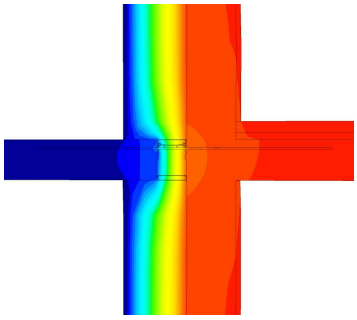
In two typical applications*), the construction is

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

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-V8

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

Product	Slab thickness				
	160	180	200	220	250
KXT30-V6	-	0.115	-	0.117	-
KXT45-V6	-	0.133	-	-	-
KXT50-V6	-	0.148	0.149	0.149	-
KXT50-V8	-	0.150	-	-	-
KXT65-V8	-	0.184	0.185	-	-

*) 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

Certificate

valid until 31.12.2019

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

Balcony connection

with height offset

Low Energy Component

Schöck Isokorb® Type KXT 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

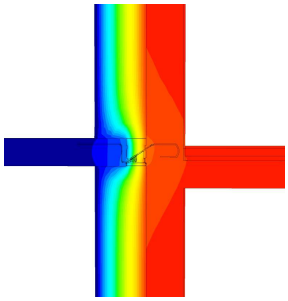
In two typical applications*), the construction is

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

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 KXT30-BH15

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

Product	Slab thickness				
	160	180	200	220	250
KXT30-HV15	-	0.137	-	-	-
KXT30-BH15	-	0.134	-	-	-

*) The criterion was validated on both, a row house and a apartment dwelling (according to criteria "balcony connection" v2.1.1)
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PHI Low Energy Component

Certificate

valid until 31.12.2019

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

Balcony connection

Wall Connection

Low Energy Component

Schöck Isokorb® Type KXT 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

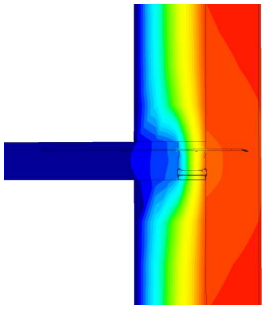
$$\Delta U_{WB} < 0{,}025 \quad W/(m^2K)$$

Comfort Criterion

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

$$\theta_{i,min} > 17{,}00 \quad °C$$

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



Isothermal map of KXT30-WO

Product	Slab thickness				
	160	180	200	220	250
KXT30-WO	-	0.156	-	-	-
KXT30-WU	-	0.154	-	-	-

*) 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