

Certificate

Certified Passive House Component

for cool, temperate climate, valid until 31.12.2018

Passive House Institute
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64283 Darmstadt
GERMANY

Category: **Balcony connection**
Punctual balcony connection
Manufacturer: **SPITTELMEISTER GMBH & CO. KG**
75179 Pforzheim, GERMANY
Product name: **ISOCON® Typ V (Kernanker)**

The following criteria were used in awarding this certificate:

Efficiency Criterion

In two typical applications*, the construction is

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

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 X [W/K] have been determined:

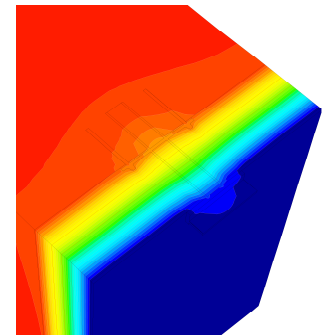
Product	Heat transfer coefficient	Minimum balcony length**
ISOCON® Typ V - stainless steel	0.080 W/K	0.76 m
ISOCON® Typ V - galvanized steel	0.194 W/K	1.86 m

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

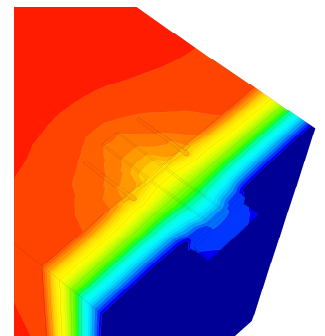
(according to criteria "balcony connection" v2.1.1)

** Minimum balcony length with two fixing points in order to achieve a connection free of thermal bridges.

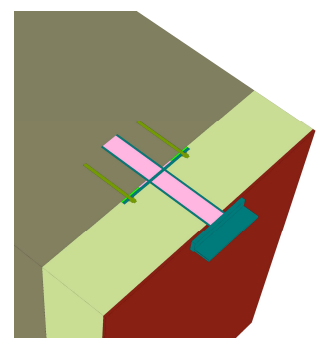
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Isothermal map of the ISOCON® Typ V - stainless steel



Isothermal map of the ISOCON® Typ V - galvanized steel



Cross section of the ISOCON® Typ V

cool, temperate climate



CERTIFIED COMPONENT

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