


# Certificate

valid until 31.12.2025

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## Balcony connection

Low Energy Component

**HIT-SP MVX**  
160 - 240 mm slab thickness

**Manufacturer: Leviat GmbH**  
40764 Langenfeld, GERMANY

The following criteria were used in awarding this certificate:

### Efficiency Criterion

In two typical applications<sup>1)</sup>, the construction achieves

$$\Delta U_{WB} < 0.025 \text{ W/(m}^2\text{K)}$$

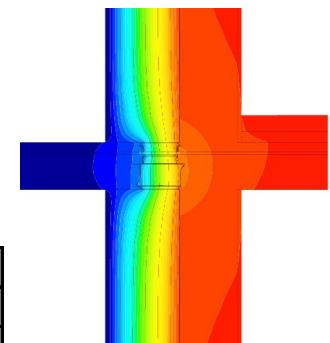
### Comfort Criterion

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

$$\theta_{i,min} > 17.00 \text{ } ^\circ\text{C}$$

Following heat transmission coefficients ( $\Psi$  [W/(mK)])  
have been validated:

Product	Slab thickness			
	160	180	220	240
HIT-SP MVX-0202-hh <sup>1)</sup> -100-35	-	0.109	0.113	0.115
HIT-SP MVX-0404-hh <sup>1)</sup> -100-35	-	0.167	0.173	0.175



Isothermal map of  
HIT-SP MVX-0404-18-100-  
35

<sup>1)</sup> hh - slab thickness [cm]

<sup>2)</sup> 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

