# Certificate

valid until 31.12.2025

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**Low Energy Component:**

## Leviat Balcony Connection HIT-HP MVX & SP MVX 180 mm slab thickness

**Hersteller:** **Leviat GmbH**
**Liebigstraße 14 40764 Langenfeld**

**The following criteria were used in awarding this certificate:**

Efficiency Criterion

In two typical applications*), the construction is

$$\Delta U_{WB} < 0.025 \text{ W/(m²K)}$$

Comfort Criterion

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

$$\theta_{i,min} > 17.00 \text{ °C}$$

**The following themal data were determined:**

| Leviat HIT ISO-Element | minimum temperature of the inner surface $\theta_{Si,min}$ [°C] | thermal bridge coefficient Ψ [W/(mK)] |
|---|---|---|
| HIT-HP MVX-0404-18-100-35 | 18.33 | 0.20 |
| HIT-HP MVX-0504-18-100-35 | 18.26 | 0.21 |
| HIT-HP MVX-0506-18-100-35 | 18.03 | 0.25 |
| HIT-HP MVX-0804-18-100-35 | 18.18 | 0.23 |
| HIT-SP MVX-0504-18-100-35 | 18.58 | 0.16 |
| HIT-SP MVX-0705-18-100-35 | 18.41 | 0.19 |
| HIT-SP MVX-0804-18-100-35 | 18.50 | 0.17 |
| HIT-SP MVX-0907-18-100-35 | 18.15 | 0.22 |
| HIT-SP MVX-1006-18-100-35 | 18.26 | 0.21 |
| HIT-SP MVX-1008-18-100-35 | 18.40 | 0.24 |
| HIT-SP MVX-1107-18-100-35 | 18.11 | 0.24 |
| HIT-SP MVX-1208-18-100-35 | 18.00 | 0.25 |

*) The criterion was validated on both, a row house and a apartment dwelling.
The certificate includes types with minor statical performance. The thermal bridge coefficient can be approximated by linear interpolation.

PHI Low Energy Component