

# Certificate

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

valid until 31.12.2026

**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<sup>\*)</sup>, 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.

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

**The following thermal data were determined:**

| Leviat HIT ISO-Element    | minimum<br>temperature of the<br>inner surface<br>$\theta_{Si,min} [^\circ\text{C}]$ | thermal bridge<br>coefficient<br>$\Psi [\text{W/(mK)}]$ |
|---------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------|
| 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                                                    |

<sup>\*)</sup> 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.



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**Low Thermal Bridge  
Construction:**

**Leviat Balcony Connection HIT-SP MVX  
220 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<sup>\*)</sup>, the construction is

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

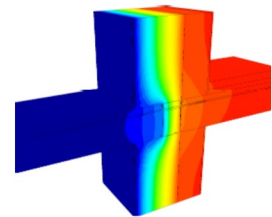
Comfort Criterion

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

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

**The following thermal data have been determined:**

| Leviat HIT ISO-Element    | minimum temperature<br>of the inner surface<br>$\theta_{i,min} \text{ [}^{\circ}\text{C]}$ | thermal bridge<br>coefficient<br>$\Psi \text{ [W/(mK)]}$ |
|---------------------------|--------------------------------------------------------------------------------------------|----------------------------------------------------------|
| HIT-SP MVX-0504-22-100-35 | 18.53                                                                                      | 0.17                                                     |
| HIT-SP MVX-0705-22-100-35 | 18.36                                                                                      | 0.20                                                     |
| HIT-SP MVX-0804-22-100-35 | 18.47                                                                                      | 0.18                                                     |



<sup>\*)</sup> The criterion was validated on both, a row house and a apartment dwelling.  
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**Low Energy  
Component:**

**Leviat Balcony Connection  
HIT-HP MVX & SP MVX  
240 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<sup>\*)</sup>, 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.

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

**The following thermal data were determined:**

| Leviat HIT ISO-Element    | minimum<br>temperature of the<br>inner surface<br>$\theta_{Si,min} [^\circ\text{C}]$ | thermal bridge<br>coefficient<br>$\Psi [\text{W/(mK)}]$ |
|---------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------|
| HIT-HP MVX-0404-24-100-35 | 18.25                                                                                | 0.22                                                    |
| HIT-HP MVX-0504-24-100-35 | 18.18                                                                                | 0.23                                                    |
| HIT-SP MVX-0504-24-100-35 | 18.45                                                                                | 0.17                                                    |
| HIT-SP MVX-0705-24-100-35 | 18.36                                                                                | 0.20                                                    |
| HIT-SP MVX-0804-24-100-35 | 18.48                                                                                | 0.18                                                    |
| HIT-SP MVX-0907-24-100-35 | 18.10                                                                                | 0.24                                                    |
| HIT-SP MVX-1006-24-100-35 | 18.21                                                                                | 0.23                                                    |
| HIT-SP MVX-1008-24-100-35 | 18.00                                                                                | 0.25                                                    |
| HIT-SP MVX-1107-24-100-35 | 18.05                                                                                | 0.25                                                    |

<sup>\*)</sup> 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.

