Certificate

Certified Passive House component for cool, temperate climate, valid until 31.12.2025

Category: Facade anchor Manufacturer: Pro-File GmbH 66539 Neunkirchen-Wellesweiler GERMANY Product name: Edelstahl UK

The following criteria were used in awarding this certificate:

Efficiency Criterion

In a typical application*, the construction fulfills the requirements of

$Eff_{fa} \leq 0.200 W/(kNK)$

Comfort Criterion

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

$\theta_{i,min} \geq 17^{\circ}C$

Thermal data of the certified component

| | Thermal bridge coefficient | Minimum interior surface temperature | |
|-------------------|----------------------------|---|--|
| | χ [W/K] | θ _{i,min} [°C] | |
| Sliding point 2.0 | 0.0048 | 19.42 | |
| Sliding point 2.5 | 0.0066 | 19.41 | |
| Fix point 2.5 | 0.0073 | 19.40 | |
| Fix point 2.5 | 0.0098 | 19.38 | |

* The criterion has been validated with a representative facade of a school building

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Data sheet Pro-File GmbH, Edelstahl UK

Manufacturer Pro-File GmbH Im Langental 13, 66539 Neunkirchen-Wellesweiler, GERMANY www.pro-file-gmbh.de

| Criteria validated based on reference facade | ΔU [W/m²K] |
|--|------------|
| LC V (2.0 mm) | 0.0093 |
| LC VI (2.5 mm) | 0.0127 |

In order to validate the suitability, the manufacturer provides a statical calculation and an associated installation plan for the reference facade.

| Load class / Facade weight | | Thermal bridge coefficients [W/K] | |
|----------------------------|---------|-----------------------------------|--------------------|
| LC | [kN/m²] | X _{FP2.0} | Х _{SP2.0} |
| V | 0.30 | 0.0073 | 0.0048 |
| Efficiency | ΔU | Quantity / m ² | |
| [W/(kNK)] | [W/m²K] | FP _{2.0} | SP _{2.0} |
| 0.03909 | 0.0093 | 0.682 | 0.895 |



Installation-plan reference facade of the certified component

| Load-class (LC) | Facade cladding | Facade weight [kN/m ²] | Efficiency criterion fulfilled? |
|-----------------|---------------------|---------------------------------------|------------------------------------|
| I | ACM | 0.10 | yes |
| II | HPL | 0.15 | yes |
| III | Fibre-cement-plates | 0.20 | yes |
| IV | Fibre-cement-plates | 0.25 | yes |
| V | Glassfacade | 0.30 | yes |
| VI | Glassfacade | 0.35 | Only 2.5 mm |

The classification criteria and the load class allocation can be found in the current criteria "Zertifizierte Passivhaus Komponente – Fassadenanker, Version 2.0, 08.05.2017".