

Declaration of Performance – Ref.No 5671

acc. to REGULATION (EU) No 305/2011 Article 4

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|--|---|
| 1. Identification code of product-type | P5 LivingBoard P5 - 5671 |
| 2. Intended use | Load-bearing boards for use in humid conditions |
| 3. Manufacturer | Pfleiderer Deutschland GmbH, Ingolstädter Str. 51, D – 92318 Neumarkt |
| 4. Authorised representative | not relevant |
| 5. System of assessment and verification | System 2+ |
| 6. Assessment of performance | The notified body Fraunhofer-Institut für Holzforschung Wilhelm-Klauditz-Institut WKI, Bienroder Weg 54 E, 38108 Braunschweig, Deutschland has issued the certificate 0765-CPR-1257 (P5) about the product conformity according system 2+ based on the following: The certificate confirms, that all provisions concerning assessment and surveillance of the continuous performance described in annex ZA of the harmonized standard EN 13986:2004+A1:2015 according system 2+ are applied and that the factory production control fulfills all in it stipulated requirements. |
| 7. European Technical Assessment | not relevant |

8. Declared performance

| Essential characteristics/main features | Unit | Thickness | | | | | | Harmonised technical specification |
|---|-------------------|--|--------------------|--------------------|--------------------|--------------------|---------|------------------------------------|
| | | > 10 mm to ≤ 13 mm | > 13 mm to ≤ 20 mm | > 20 mm to ≤ 25 mm | > 25 mm to ≤ 32 mm | > 32 mm to ≤ 40 mm | > 40 mm | |
| | | Declared performance | | | | | | |
| Strength, tension (ft) | N/mm ² | 9.4 | 8.5 | 7.4 | 6.6 | 5.6 | | EN 13986:2004 +A1:2015 |
| Strength, compression (fc) | N/mm ² | 12.7 | 11.8 | 10.3 | 9.8 | 8.5 | 7.8 | |
| Strength, bending (fm) | N/mm ² | 15.0 | 13.3 | 11.7 | 10.0 | 8.3 | 7.5 | |
| Stiffness, panel shear (fv) | N/mm ² | 7.0 | 6.5 | 5.9 | 5.2 | 4.8 | 4.4 | |
| Stiffness, planar shear (fr) | N/mm ² | 1.9 | 1.7 | 1.5 | 1.3 | 1.2 | 1.0 | |
| Punching shear as point load strenght | | NPD | | | | | | |
| Punching shear as point load stiffness | | NPD | | | | | | |
| Racking resistance | | NPD | | | | | | |
| Impact resistance | | NPD | | | | | | |
| Reaction to fire | | D-s2,d0 according to EN 13986 dependent on end use (Thickness: ≥ 9 mm / Gross density: ≥ 600 kg/m ³) | | | | | | |
| Water vapour permeability, wet cup μ | | 50 | | | | | | |
| Water vapour permeability, dry cup μ | | 100 | | | | | | |
| Class, formaldehyde release | | E1 E05 | | | | | | |
| Release (Content), pentachlorophenol (PCP) | mg/kg | < 3 | | | | | | |
| Airborne sound insulation (surface mass) | | NPD | | | | | | |
| Sound Absorption frequency range 250 Hz to 500 Hz | | 0.1 | | | | | | |
| Sound Absorption frequency range 1000 Hz to 2000 Hz | | 0.25 | | | | | | |
| Thermal conductivity (density) | W/(mK) | 0.12 | | | | | | |
| Embedment strength | | NPD | | | | | | |
| Air permeability | | NPD | | | | | | |
| Internal bond | N/mm ² | 0.45 | | 0.4 | 0.35 | 0.3 | 0.25 | |
| Swelling in thickness, 24 h | % | 11 | 10 | | | 9 | | |
| Internal bond after boil test | N/mm ² | 0.15 | 0.14 | 0.12 | 0.11 | 0.1 | 0.09 | |
| Factor of modification (kmod) | | NPD | | | | | | |
| Factor of distortion (kdef) | | NPD | | | | | | |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Date of issue: 2022-09-27

i. V. Claus Seemann
Head of productmanagement core materials
(Document was created electronically and is therefore valid without signature!)

NPD: performance not defined