



Declaration of Performance number B-2484

## Declaration of Performance

No. LP90-CPR-2018/05/22

1. *Unique identification code of the product-type:*  
Lindab Panel **PERF**
2. *Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):*

- Thickness and Weight of Lindab Panel BASE

| Nominal Thickness | Actual Thickness | Weight               |
|-------------------|------------------|----------------------|
| 70 mm             | 68 mm            | 16 kg/m <sup>2</sup> |
| 100 mm            | 97 mm            | 18 kg/m <sup>2</sup> |
| 120 mm            | 117 mm           | 20 kg/m <sup>2</sup> |
| 150 mm            | 148 mm           | 23 kg/m <sup>2</sup> |
| 175 mm            | 168 mm           | 24 kg/m <sup>2</sup> |
| 200 mm            | 197 mm           | 27 kg/m <sup>2</sup> |

- Core Material: Rock wool
  - Density: 90 kg/m<sup>2</sup>
  - Steel Thickness: 0,6 mm / 0,6 mm (perforated)
  - Coating system: PE
3. *Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:*
    - Sound absorbing internal wall or ceiling
  4. *Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):*
    - Lindab Profil AB, Svartöns industriområde, 971 88 Luleå Sweden
  5. *System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:*
    - System 3 for all characteristics
  6. *In case of the declaration of performance concerning a construction product covered by a harmonized standard:*
    - RISE(SP) Research Institutes of Sweden, nr 0402, performed tests regarding Durability.
    - RISE(SP) Research Institutes of Sweden, nr 0402, performed Test reports, Performance reports and Classification reports according to system 3.

DOP Declaration of Performance Sandwich panel mineral wool - PERF.docx

## 7. Declared performance:

|                                 |  |  |
|---------------------------------|--|--|
| Essential characteristics       | Performance<br>Lindab Panel PERF<br>Perforated on one side | Harmonized<br>technical<br>specification |
| <b>Mechanical resistance</b>    | BASE-panel   | EN 14509:2013                            |
| Tensile strength                | 0,07 MPa (=7 ton/m <sup>2</sup> )                          |  |
| Shear strength                  | 0,05 MPa   |  |
| Shear modulus                   | 4,0 MPa  |  |
| Compression strength            | 0,06 MPa   |  |
| Wrinkling stress, span          | 70 MPa   |  |
| Creep coefficient t=2000h       | 0,18   |  |
| Creep coefficient t=100 000h    | 0,22   |  |
| <b>Fire performance</b>         |  | EN 14509:2013                            |
| Reaction to fire (Euro class)   | B-s1,d0  |  |
| Fire resistance                 | Thickness  | Resistance                               |
|                                 | -  | NPD                                      |
| <b>Sound performance</b>        | Thk= Panel Thickness                                       | EN 14509:2013                            |
| Sound reduction R <sub>w</sub>  | 32 dB (Thk=100mm)<br>29 dB (Thk=175mm)                     |  |
| Sound absorption α <sub>w</sub> | 0,60(L) Class C  |  |
| <b>Dimensional variation</b>    | Passed   | EN 14509:2013                            |
| <b>Durability</b>               | Passed   | EN 14509:2013                            |

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Carina Petersson  
Product Manager, Lindab Profil AB  
Luleå 2018/05/22