

Declaration of Performance
No. LP90-CPR-2018/05/22

1. *Unique identification code of the product-type:*
Lindab Panel **BASE**
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 ² |
| 100 mm | 97 mm | 18 kg/m ² |
| 120 mm | 117 mm | 20 kg/m ² |
| 150 mm | 148 mm | 23 kg/m ² |
| 175 mm | 168 mm | 24 kg/m ² |
| 200 mm | 197 mm | 27 kg/m ² |
| 240 mm | 237 mm | 31 kg/m ² |
| 300 mm | 297 mm | 36 kg/m ² |

- Core Material: Rock wool
- Density: 90 kg/m²
- Steel Thickness: 0,5 mm / 0,6 mm / 0,7 mm
- Coating system: PE / HBP / HBPM / PVDF

3. *Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:*
 - Fire partitioning wall, external and 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 Reaction to Fire, Fire Resistance, Water permeability, Air permeability and Durability.
 - RISE(SP) Research Institutes of Sweden, nr 0402, performed Test reports, Performance reports and Classification reports according to system 3.

7. Declared performance:

| | | |
|---------------------------|----------------------------------|---------------------------------------|
| Essential characteristics | Performance Lindab Panel BASE | Harmonized technical specification |
|---------------------------|----------------------------------|---------------------------------------|

| Thermal transmittance | Thickness | W/m ² K | EN 14509:2013 |
|-----------------------|-----------|--------------------|---------------|
| | 70 mm | 0,56 | |
| | 100 mm | 0,40 | |
| | 120 mm | 0,33 | |
| | 150 mm | 0,27 | |
| | 175 mm | 0,24 | |
| | 200 mm | 0,20 | |
| | 240 mm | 0,17 | |
| | 300 mm | 0,14 | |

| Mechanical resistance | BASE-panel | EN 14509:2013 |
|---------------------------------|-----------------------------------|---------------|
| Tensile strength | 0,07 MPa (=7 ton/m ²) | |
| Shear strength | 0,05 MPa | |
| Shear modulus | 4,0 MPa | |
| Compression strength | 0,06 MPa | |
| Wrinkling stress, span | 100 MPa | |
| Wrinkling stress, span ,t=240mm | 95 MPa | |
| Wrinkling stress, span ,t=300mm | 90 MPa | |
| Creep coefficient t=2000h | 0,18 | |
| Creep coefficient t=100 000h | 0,22 | |

| Fire performance | | | EN 14509:2013 |
|-------------------------------|-----------|------------|---------------|
| Reaction to fire (Euro class) | A2-s1,d0 | | |
| Fire resistance | Thickness | Resistance | |
| | 70 mm | NPD | |
| | 100 mm | EI30 | |
| | 120 mm | EI60* | |
| | 150 mm | EI60* | |
| | 175 mm | EI60* | |
| | 200 mm | EI60* | |
| | 240 mm | EI60* | |
| 300 mm | EI60* | | |

*EI90 max 3,0 meter

| Permeability | | | EN 14509:2013 |
|---------------------------|--|--|---------------|
| Water permeability | Class A (1200 Pa) | | |
| - Horizontal installation | Class A (1200 Pa) | | |
| - Vertical installation | | | |
| Air permeability (50 Pa) | | | |
| - Horizontal installation | 0,5 m ³ /m ² /h (0,14 l/m ² /s) | | |
| - Vertical installation | 0,8 m ³ /m ² /h (0,23 l/m ² /s) | | |
| Water vapor permeability | NPD | | |

| | | |
|--------------------------------|--|---------------|
| Sound performance | Thk= Panel Thickness | EN 14509:2013 |
| Sound reduction R _w | 32 dB (Thk=100mm) 29 dB (Thk=175mm) | |
| Dimensional variation | Passed | EN 14509:2013 |
| Durability | 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