

Declaration of Performance number B-2483

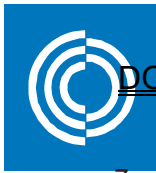
Declaration of Performance  
No. LP75-CPR-2018/05/23

1. *Unique identification code of the product-type:*  
Lindab Panel **LIGHT**
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 LIGHT

Nominal Thickness	Actual Thickness	Weight
70 mm	68 mm	14 kg/m <sup>2</sup>
100 mm	97 mm	16 kg/m <sup>2</sup>
120 mm	117 mm	18 kg/m <sup>2</sup>
150 mm	148 mm	20 kg/m <sup>2</sup>
175 mm	168 mm	22 kg/m <sup>2</sup>
200 mm	197 mm	24 kg/m <sup>2</sup>
240 mm	237 mm	27 kg/m <sup>2</sup>
300 mm	297 mm	31 kg/m <sup>2</sup>

- Core Material: Rock wool
  - Density: 75 kg/m<sup>2</sup>
  - 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
  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.



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

7. Declared performance:

Essential characteristics	Performance Lindab Panel LIGHT	Harmonized technical specification
---------------------------	-----------------------------------	------------------------------------

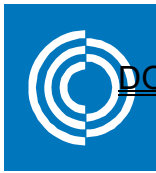
<b>Thermal transmittance</b>	Thickness	W/m <sup>2</sup> K	EN 14509:2013
	70 mm	0,53	
	100 mm	0,38	
	120 mm	0,32	
	150 mm	0,25	
	175 mm	0,22	
	200 mm	0,19	
	240 mm	0,16	
	300 mm	0,13	

<b>Mechanical resistance</b>	LIGHT-panel	EN 14509:2013
Tensile strength	0,06 MPa (=6 ton/m <sup>2</sup> )	
Shear strength	0,04 MPa	
Shear modulus	1,5 MPa	
Compression strength	0,05 MPa	
Wrinkling stress, span	80 MPa	
Wrinkling stress, span ,t=240mm	75 MPa	
Wrinkling stress, span ,t=300mm	70 MPa	
Creep coefficient t=2000h	NPD	
Creep coefficient t=100 000h	NPD	

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

\* EI90 max 3,0 meter

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



<b>Sound performance</b>	Thn=Thickness	EN 14509:2013
Sound reduction $R_w$	35 dB (Thn=100 mm)	
<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 2018/05/23