

# Declaration of Performance

No.: 002-LICPR-200801

1.	Unique identification code of the product type	LINITHERM PAL 022 / dh / CS120 / TR50 / E
2.	Type, batch or serial number for the identification of the construction product as required under Article 11 paragraph 4 of EU BauPVO	See label on product
3.	Intended use	Thermal insulation for buildings
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11 paragraph 5	LINITHERM Dämmsysteme Linzmeier Bauelemente GmbH Industriestr. 21 88499 Riedlingen, Germany T +49 (0)7371 1806-0 F +49 (0)7371 1806-96 Info@Linzmeier.de www.Linzmeier.de
5.	Where applicable, name and address of the authorised representative whose mandate covers the tasks specified in Article 12 paragraph 2.	--
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V of EU BauPVO	System 3
7.	In the case of a Declaration of Performance about a construction product defined in a harmonised standard.	n° 0751 FIW München Lochhamer Schlag 4, 82166 Gräfelfing

## 8. Declared performance

Essential characteristics		Performance	Harmonised technical specification																																				
Thermal resistance	Thermal resistance	Table 1: <table border="1"> <thead> <tr> <th>Nominal thickness <math>d_N</math> [mm]</th> <th><math>R_D</math> [<math>m^2K/W</math>]</th> <th>Nominal thickness <math>d_N</math> [mm]</th> <th><math>R_D</math> [<math>m^2K/W</math>]</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0,45</td> <td>100</td> <td>4,50</td> </tr> <tr> <td>20</td> <td>0,90</td> <td>120</td> <td>5,45</td> </tr> <tr> <td>30</td> <td>1,35</td> <td>140</td> <td>6,35</td> </tr> <tr> <td>40</td> <td>1,80</td> <td>160</td> <td>7,25</td> </tr> <tr> <td>50</td> <td>2,25</td> <td>180</td> <td>8,15</td> </tr> <tr> <td>60</td> <td>2,70</td> <td>200</td> <td>9,05</td> </tr> <tr> <td>70</td> <td>3,15</td> <td>220</td> <td>10,00</td> </tr> <tr> <td>80</td> <td>3,60</td> <td>240</td> <td>10,90</td> </tr> </tbody> </table> For all thicknesses: calculated using formula $R_D = \text{Nominal thickness } d_N / \lambda_D$ (round down to 0,05m <sup>2</sup> K/W)	Nominal thickness $d_N$ [mm]	$R_D$ [ $m^2K/W$ ]	Nominal thickness $d_N$ [mm]	$R_D$ [ $m^2K/W$ ]	10	0,45	100	4,50	20	0,90	120	5,45	30	1,35	140	6,35	40	1,80	160	7,25	50	2,25	180	8,15	60	2,70	200	9,05	70	3,15	220	10,00	80	3,60	240	10,90	EN 13165:2012 +A2:2016
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Thermal conductivity	$\lambda_D = 0,022 \text{ W/m}^2\text{K}$																																						
Thickness	$d_N = 10 - 240 \text{ mm}$																																						
Reaction to fire	Reaction to fire	E	EN 13501-1																																				
Durability of fire behaviour under the influence of heat, weather, ageing / erosion	Durability of fire behaviour of the marketed product	Products made from rigid polyurethane foam do not change their fire behaviour.	EN 13165:2012 +A2:2016																																				
Durability of thermal resistance under the influence of heat, weather, ageing / erosion	Thermal resistance and thermal conductivity	$R_D = \text{see Table 1}$ $d_N = 10 - 240 \text{ mm}$ $\lambda_D = 0,022 \text{ W/m}^2\text{K}$																																					
	Durability characteristics	NPD																																					
	Dimension stability	DS(70,90)3 DS(-20,-)2																																					
	Deformation under specified compressive load and temperature conditions	NPD																																					
	Determination of the aged value of thermal resistance and thermal conductivity	$d_N = 10 - 240 \text{ mm}$ $\lambda_D = 0,022 \text{ W/m}^2\text{K}$																																					
Compressive strength	Compressive stress or compressive strength	CS(10\Y)120																																					
(Bending) tensile strength	Tensile strength perpendicular to the surfaces	TR50																																					
Durability of compressive strength under the influence of ageing / degeneration	Creep behaviour under compressive strength	NPD																																					
Water permeability	Short-term water absorption Long-term water absorption	NPD																																					
	Flatness after one sided wetting	NPD																																					
Water vapour permeability	Water vapour transfer	NPD																																					
Acoustic absorption index	Acoustic absorption	NPD																																					
Release of dangerous substances, emission to the indoor environment	Release of dangerous substances	NPD																																					
Continuous Glowing combustion	Glowing combustion	NPD																																					

NPD: No performance determined

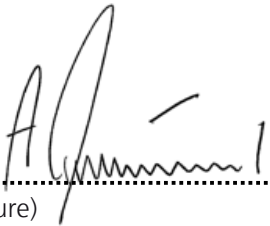
9. Declaration

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 4.

Signed for and on behalf of the manufacturer by:

.....  
Dipl. Ing. Andreas Linzmeier, Managing Director  
.....  
(name and function)

.....  
Riedlingen, 01/08/2020  
.....  
(place and date of issue)

.....  
  
.....  
(signature)