



DoP-Nr.: 180274

Declaration of Performance

According to annex III (EU) 305/2011 (construction product regulation)

1.	Unique identification code of the product type	LAMOLTAN® DS 5
2.	Type, batch or serial number allowing identification of the construction product as required pursuant to Article 11(4)	See product label.
3.	Intended use according to DIN EN 14315-1:	Thermal insulation product for building equipment and industrial installations
4.	Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5)	LAMOLTAN® Lackfa Isolierstoff GmbH & Co. KG, Industriestraße 2, D-25462 Rellingen
5.	Name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2)	Not relevant
6.	System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V.	System 3
7.	In case of the declaration of performance concerning a construction product covered by a harmonized standard.	Notified testing laboratory No. 0751 (FIW Munich) performed the test reports on the relevant declared characteristics under system AVCP 3.
8.	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued.	Not relevant

9. Declared Performance

Significant property	Performance	Specification																								
Initial value of thermal conductivity at 10 °C [W/m·K]	≤ 0,022	EN 12667																								
Declared value of thermal conductivity at 10 °C [W/m·K]	≤ 0,028	EN 14315-1																								
Thermal resistance level R _D [m²K/W]	<table border="1"> <thead> <tr> <th>d, mm</th> <th>R_D</th> <th>d, mm</th> <th>R_D</th> </tr> </thead> <tbody> <tr> <td>30</td> <td>1,07</td> <td>150</td> <td>5,81</td> </tr> <tr> <td>50</td> <td>1,79</td> <td>180</td> <td>6,98</td> </tr> <tr> <td>80</td> <td>2,99</td> <td>210</td> <td>8,14</td> </tr> <tr> <td>100</td> <td>3,73</td> <td>240</td> <td>9,30</td> </tr> <tr> <td>120</td> <td>4,65</td> <td>270</td> <td>10,47</td> </tr> </tbody> </table>	d, mm	R _D	d, mm	R _D	30	1,07	150	5,81	50	1,79	180	6,98	80	2,99	210	8,14	100	3,73	240	9,30	120	4,65	270	10,47	EN 12667
d, mm	R _D	d, mm	R _D																							
30	1,07	150	5,81																							
50	1,79	180	6,98																							
80	2,99	210	8,14																							
100	3,73	240	9,30																							
120	4,65	270	10,47																							
Water vapour resistance factor, μ	132	DIN EN 12086																								
Closed cell content	CCC4 (≥ 90 %)	ISO 4590																								
Reaction to fire	RtF Class E	EN 13501-1																								
Fire resistance of roof external (together with Reflexcoating 1 K from Meyer Bautenschutz)	B _{roof} (t1)	EN 13501-5																								
Deformation under specific compressive load and temperature conditions (80 °C, 20 kPa)	DLT (1)5 (≤ 5 %)	EN 1605																								
Dimensional stability at low temperatures (-30 °C)	≤ 2%	EN 1604																								
Compressive strength	CS(10\Y)300 (≥ 300 kPa)	EN 826																								

For all other characteristics according to DIN EN 14315-1: **NPD** (No Performance Determined)

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

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:

Rellingen, 15.11.2017

Dr. Robin Endtner (Head of Technical Department)

ppa. Endtner