



## Declaration of Performance Paratherm G™

### Paratherm G™

CPR.2013.MOY.PthermG.008

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

### Paratherm G™

**Thermal insulation for buildings**

**Columbia Mills, 14-15 Sir John Rogerson's Quay, Dublin Docklands, Dublin 2, D02 E409, Ireland.**

**System 4 (Reaction to Fire), System 3 (Other properties)**

**BS-EN 13165:2012+A2:2016**

**FIW München:0751**

Essential characteristics		Performance																																
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	<table border="0"> <tr><td>dN 20mm dN</td><td>0.70</td></tr> <tr><td>25mm dN</td><td>0.90</td></tr> <tr><td>30mm dN</td><td>1.10</td></tr> <tr><td>40mm dN</td><td>1.45</td></tr> <tr><td>50mm dN</td><td>1.85</td></tr> <tr><td>60mm dN</td><td>2.20</td></tr> <tr><td>70mm dN</td><td>2.55</td></tr> <tr><td>80mm dN</td><td>3.20</td></tr> <tr><td>90mm dN</td><td>3.60</td></tr> <tr><td>100mm dN</td><td>4.00</td></tr> <tr><td>110mm dN</td><td>4.40</td></tr> <tr><td>120mm dN</td><td>5.00</td></tr> <tr><td>130mm dN</td><td>5.40</td></tr> <tr><td>140mm dN</td><td>5.80</td></tr> <tr><td>150mm dN</td><td>6.25</td></tr> <tr><td>160mm</td><td>6.65</td></tr> </table>	dN 20mm dN	0.70	25mm dN	0.90	30mm dN	1.10	40mm dN	1.45	50mm dN	1.85	60mm dN	2.20	70mm dN	2.55	80mm dN	3.20	90mm dN	3.60	100mm dN	4.00	110mm dN	4.40	120mm dN	5.00	130mm dN	5.40	140mm dN	5.80	150mm dN	6.25	160mm	6.65
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Thermal conductivity $\lambda_D$ (W/(m.K))	<table border="0"> <tr><td>dN &lt; 80mm</td><td>0.027</td></tr> <tr><td>dN 80-119mm</td><td>0.025</td></tr> <tr><td>dN ≥ 120mm</td><td>0.024</td></tr> </table>	dN < 80mm	0.027	dN 80-119mm	0.025	dN ≥ 120mm	0.024																											
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Thickness tolerance	T2																																	
Reaction to fire	Reaction to fire	E																																
Reaction to fire end use conditions	Reaction to fire end use conditions	dN 30-120 mm B-s2, d0																																
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability of the reaction to fire of the product as placed on the market	NPD																																
	Durability of thermal resistance and thermal conductivity against ageing/ degradation	NPD																																
Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	Thermal resistance as table above																																
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	Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1
	Deformation under specified compressive load and temperature conditions	DLT(2)5
	Determination of the aged values of thermal resistance and thermal conductivity	$\lambda_D$ 0,024, 0.025, 0,027 W/m·K
Compressive strength	Compressive stress or compressive strength	CS(10\Y)150
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR80
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
	Flatness after one sided wetting	NPD
Water vapour permeability	Water vapour transmission	NPD
Acoustic absorption index	Sound absorption	NPD
Continuous Glowing Combustion	Glowing Combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
NPD: No Performance Determined		

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

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**Brian Conroy**  
**Group Technical Director**  
**Moy Materials Ltd**  
 Date signed: 31/10/2023  
 Issue Number: v008