

Declaration of Performance Paratherm T™

Paratherm T™

CPR.2013.MOY.PthermT.007

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

Notified body/ies:

Paratherm T™

Thermal insulation for buildings

Moy Materials Ltd. Unit K, South City Business Park,
Whitestown Way, Tallaght, Ireland.

System 3, System 4 (Reaction to Fire)

EN 13165:2012+A2:2016

KIWA BDA (NB 1640)

Essential characteristics		Performance																								
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	<table border="0"> <tr><td>dN 35mm</td><td>1.25</td></tr> <tr><td>dN 40mm</td><td>1.45</td></tr> <tr><td>dN 50mm</td><td>1.85</td></tr> <tr><td>dN 60mm</td><td>2.20</td></tr> <tr><td>dN 70mm</td><td>2.55</td></tr> <tr><td>dN 80mm</td><td>3.20</td></tr> <tr><td>dN 90mm</td><td>3.60</td></tr> <tr><td>dN 100mm</td><td>4.00</td></tr> <tr><td>dN 120mm</td><td>5.00</td></tr> <tr><td>dN 130mm</td><td>5.40</td></tr> <tr><td>dN 140mm</td><td>5.80</td></tr> <tr><td>dN 145mm</td><td>6.00</td></tr> </table>	dN 35mm	1.25	dN 40mm	1.45	dN 50mm	1.85	dN 60mm	2.20	dN 70mm	2.55	dN 80mm	3.20	dN 90mm	3.60	dN 100mm	4.00	dN 120mm	5.00	dN 130mm	5.40	dN 140mm	5.80	dN 145mm	6.00
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Thermal conductivity λ_D (W/(m.K))	<table border="0"> <tr><td>dN < 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	F																								
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																								
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Durability characteristics	NPD																									
Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1																									

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	Deformation under specified compressive load and temperature conditions	NPD
	Determination of the aged values of thermal resistance and thermal conductivity	λ_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: v007