

UK Declaration of Performance

Kingspan Thermaroom® TR27

1000.UKDoP.TR27.004

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Unique identification code of the product-type: **Kingspan Thermaroom® TR27**
 Intended use/es: **Thermal insulation for buildings**
 Manufacturer: **Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**
 System/s of AVCP: **System 4 (Reaction to fire), System 3 (Other Properties)**
 Designated technical specification: **BS EN 13165:2012+A2:2016**
 UK Assessment/Notified body/ies: **University of Salford: 1145, BBA: 0836**

Thermal resistance	Thermal resistance R_D ($m^2 \cdot K/W$)	d_N 25mm d_N 30mm d_N 40mm d_N 50mm d_N 60mm d_N 70mm d_N 80mm d_N 90mm d_N 100mm d_N 110mm d_N 120mm d_N 130mm d_N 140mm d_N 150mm d_N 160mm	0.90 1.10 1.45 1.85 2.20 2.55 3.20 3.60 4.00 4.40 5.00 5.40 5.80 6.25 6.65
	Thermal conductivity λ_D ($W/(m \cdot K)$)	Flat board - Plant 1000 $d_N < 80mm$ $d_N 80-119mm$ $d_N \geq 120mm$	0.027 0.025 0.024
		Flat board - Plant 1001 $d_N < 80mm$ $d_N 80-119mm$ $d_N \geq 120mm$	0.027 Not manufactured 0.024
	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 NPD	

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	Durability of thermal resistance and thermal conductivity against ageing/ degradation							
Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance R_D ((m ² .K)/W)	Thermal resistance as table above Flat board - Plant 1000 <table border="0"> <tr> <td>$d_N < 80\text{mm}$</td> <td>0.027</td> </tr> <tr> <td>$d_N 80-119\text{mm}$</td> <td>0.025</td> </tr> <tr> <td>$d_N \geq 120\text{mm}$</td> <td>0.024</td> </tr> </table>	$d_N < 80\text{mm}$	0.027	$d_N 80-119\text{mm}$	0.025	$d_N \geq 120\text{mm}$	0.024
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	Thermal conductivity λ_D (W/(m.K))	Flat board – Plant 1001 <table border="0"> <tr> <td>$d_N < 80\text{mm}$</td> <td>0.027</td> </tr> <tr> <td>$d_N 80-119\text{mm}$</td> <td>Not manufactured</td> </tr> <tr> <td>$d_N \geq 120\text{mm}$</td> <td>0.024</td> </tr> </table>	$d_N < 80\text{mm}$	0.027	$d_N 80-119\text{mm}$	Not manufactured	$d_N \geq 120\text{mm}$	0.024
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Durability characteristics	NPD							
Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1							
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								



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EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)

Signed for and on behalf of the manufacturer by:

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Siobhan O'Dwyer
Managing Director
Pembridge, Selby, England, UK
Date signed: 19/09/2024
Issue Number: 004



For the most up-to-date version of the Declaration of Performance please scan or [click here](#).

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