

UK Declaration of Performance

Kingspan Thermataper[®] TT47 PB (Pre-Bonded)

1000.UKDoP.TT47PB.003

Unique identification code of the product-type:	Kingspan Thermataper[®] TT47 PB (Pre-Bonded)
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

Essential characteristics		Performance
Thermal resistance	Thermal resistance R_D ($m^2.K/W$)	<p><u>1:60 Boards:</u></p> <p>150mm – 170mm (120mm Flat + 30-50mm Tapered)</p> <p>170mm – 190mm (120mm Flat + 50-70mm Tapered)</p> <p>190mm – 210mm (120mm Flat + 70-90mm Tapered)</p> <p>210mm – 230mm (120mm Flat + 90-110mm Tapered)</p> <p>230mm – 250mm (120mm Flat + 110-130mm Tapered)</p> <p>250mm – 270mm (120mm Flat + 130-150mm Tapered)</p> <p><u>1:80 Boards:</u></p> <p>90mm – 105mm (60mm Flat + 30-45mm Tapered)</p> <p>105mm – 120mm (60mm Flat + 45-60mm Tapered)</p> <p>120mm – 135mm (60mm Flat + 60-75mm Tapered)</p> <p>135mm – 150mm (60mm Flat + 75-90mm Tapered)</p> <p>150mm – 165mm (120mm Flat + 30-45mm Tapered)</p> <p>165mm – 180mm (120mm Flat + 45-60mm Tapered)</p> <p>180mm – 195mm (120mm Flat + 60-75mm Tapered)</p> <p>195mm – 210mm (120mm Flat + 75-90mm Tapered)</p> <p>Thermal Resistance NPD due to a tapered component being included.</p>

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	Thermal conductivity λ_D (W/(m.K))	<p>Single Layer Component Only</p> <p>Flat Board:</p> <table> <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> <p>The Thermal Conductivity listed above is for the single board components used to make up the pre-bonded product only.</p>	dN < 80mm	0.027	dN 80-119mm	0.025	dN ≥ 120mm	0.024
dN < 80mm	0.027							
dN 80-119mm	0.025							
dN ≥ 120mm	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						
	Durability of thermal resistance and thermal conductivity against ageing/ degradation	NPD						
Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance R_D ($m^2.K/W$)	NPD						
	Thermal conductivity λ_D (W/(m.K))	<p>Single Layer Component Only</p> <p>Flat Board:</p> <table> <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> <p>The Thermal Conductivity listed above is for the single board components used to make up the pre-bonded product only.</p>	dN < 80mm	0.027	dN 80-119mm	0.025	dN ≥ 120mm	0.024
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	dN 80-119mm	0.025						
	dN ≥ 120mm	0.024						
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	NPD						
Durability of compressive strength against ageing / degradation	Compressive creep	NPD						

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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		

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, England, UK
Date signed: 19/09/2024
Issue Number: 003



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

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