

UK Declaration of Performance

Kingspan Thermataper[®] TT44 PB (Pre-Bonded)

1000.UKDoP.TT44PB.003

Unique identification code of the product-type:	Kingspan Thermataper[®] TT44 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>1:60 Boards:</p> <p>110mm – 130mm (80mm Flat + 30-50mm Tapered)</p> <p>130mm – 150mm (80mm Flat + 50-70mm Tapered)</p> <p>150mm – 170mm (80mm Flat + 70-90mm Tapered)</p> <p>170mm – 190mm (80mm Flat + 90-110mm Tapered)</p> <p>190mm – 210mm (140mm Flat + 50-70mm Tapered)</p> <p>210mm – 230mm (140mm Flat + 70-90mm Tapered)</p> <p>230mm – 250mm (140mm Flat + 90-110mm Tapered)</p> <p>1:80 Boards:</p> <p>60mm – 75mm (30mm Flat + 30-45mm Tapered)</p> <p>75mm – 90mm (30mm Flat + 45-60mm Tapered)</p> <p>90mm – 105mm (60mm Flat + 30-45mm Tapered)</p> <p>105mm – 120mm (60mm Flat + 45-60mm Tapered)</p> <p>120mm – 135mm (90mm Flat + 30-45mm Tapered)</p> <p>135mm – 150mm (90mm Flat + 45-60mm Tapered)</p> <p>150mm – 165mm (120mm Flat + 30-45mm Tapered)</p> <p>165mm – 180mm (120mm Flat + 45-60mm Tapered)</p> <p>Thermal Resistance NPD due to a tapered component being included</p>	
	Thermal conductivity λ_D (W/(m.K))	Single Layer Component Only	0.027 0.025 0.024
		Flat Board dN < 80mm dN 80-119mm dN ≥ 120mm	

UK Declaration of Performance

		The Thermal Conductivity listed above is for the single board components used to make up the pre-bonded product only.	
	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 RD ((m ² .K)/W)	NPD Single Component Only Flat Board dN < 80mm 0.027 dN 80-119mm 0.025 dN ≥ 120mm 0.024 The Thermal Conductivity listed above is for the single board components used to make up the pre-bonded product only.	
	Thermal conductivity λD (W/(m.K))		
	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	λD 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	
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			



UK Declaration of Performance

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:

A handwritten signature in black ink, appearing to read 'Siobhan O'Dwyer'.

.....
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](#).

To access pre-existing product information or information relating to previously sold/discontinued products please email literature@kingspaninsulation.co.uk