UK Declaration of Performance

Kingspan Thermaroof® TR24 PB (Pre-Bonded)

1000.UKDoP.TR24PB.003

Unique identification code of the product-type:	**Kingspan Thermaroof® TR24 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:	**University of Salford: 1145, BBA: 0836**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m².K)/W)	d_N 160mm (80mm + 80mm)	6.40
		d_N 170mm (120mm + 50mm)	6.85
		d_N 180mm (130mm + 50mm)	7.25
		d_N 190mm (140mm + 50mm)	7.65
		d_N 200mm (150mm + 50mm)	8.10
		d_N 210mm (130mm + 80mm)	8.60
		d_N 220mm (140mm +80mm)	9.00
		d_N 230mm (150mm + 80mm)	9.45
		d_N 240mm (140mm + 100mm)	9.80
		d_N 250mm (150mm + 100mm)	10.25
		d_N 260mm (140mm + 120mm)	10.80
		d_N 270mm (150mm + 120mm)	11.25
		d_N 280mm (150mm + 130mm)	11.65

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	Thermal conductivity λ_D (W/(m.K))	dN < 80mm dN 80-119mm dN ≥ 120mm
		The Thermal Conductivity listed above is for the single board components used to make up the pre-bonded product only. For the full Thermal resistance, see above table.
	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 ((m².K)/W)	Thermal resistance as table above
	Thermal conductivity λD (W/(m.K))	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. For the full Thermal resistance, see above table.
	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

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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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