



Declaration of Performance

Kingspan Therma™ Duct Insulation

1000.CPR.2013.TDI.008

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Unique identification code of the product-type: **Therma™ Duct Insulation**

Intended use/s: **Factory made polyurethane (PU) and polyisocyanurate foam (PIR) products**

Thermal insulation for building equipment or industrial installations

Manufacturer: **Kingspan Insulation Ltd, Pembridge, Herefordshire HR6 9LA,UK**

System/s of AVCP: **System 4 for Reaction to fire; System 3 for all other properties**

Harmonised technical specification: **EN 14308:2009+A1:2013**

Notified body: **FIW München NB. 0751**

Essential characteristics		Performance	
Thermal resistance	Thermal conductivity λ_D (W/(m.K))	-20°C	0.022
		10°C	0.023
		19°C	0.023
		25°C	0.024
		50°C	0.027
		80°C	0.031
	Thickness tolerance	d_N 25-50	±1.5
	Closed Cell Content	CV	
	Durability of thermal resistance against ageing/degradation	The aged values of thermal conductivity are declared above	
Reaction to fire	Euroclass characteristics	F	
	Durability of reaction to fire against ageing/degradation and high temperature	NPD	
Service temperatures	Maximum service temperature (°C)	ST(+) +80	
	Minimum service temperature (°C)	ST(-) -20	
Compression resistance properties	Compressive stress or compressive strength (kPa)	CS(10Y) 120	
	Point load	NPD	
	Compressive creep	NPD	
Water permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour permeability	NPD	
	Closed Cell Content	CV	
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD	
Continuous glowing combustion		NPD	
Dimensional stability at specified temperature	48 h, 70°C, 90% R.H	DS(TH) 3	
	48 h, -20°C	DS(TH) 1	
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.



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* Note: This declaration is based on tests performed by the notified body on 50 mm Kingspan Therma™ Duct Insulation produced in Pembridge for these characteristics: Maximum service temperature (°C), Minimum service temperature (°C), Closed Cell Content, Dimensional stability

Signed for and on behalf of the manufacturer by:

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Siobhan O'Dwyer
Managing Director
Pembridge and Selby, England, UK
Date signed: 03/12/2024
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