



Declaration of Performance

Therma™ Duct Insulation

1000.CPR.2013.TDI.004

Unique identification code of the product-type: **Therma™ Duct Insulation**
 Intended use/es: **Factory made polyurethane (PU) and polyisocyanurate foam (PIR) products ThIBell**
 Manufacturer: **Kingspan Insulation Ltd, Pembridge, Herefordshire HR6 9LA, UK**
 System/s of AVCP: **System 3**
 Harmonised standard: **BS EN 14308:2009+A1:2013**
 Notified body/ies: **Efectis UK/Ireland NB.2822, FIW München NB. 0751**

Declared performances:			
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	0.023
50°C		0.026	
	80°C	0.030	
	Thickness tolerance	d_N 20-50mm	±1.5
	Closed cell content	CV	
	Durability of thermal resistance against ageing/degradation and high temperature	The aged values of thermal conductivity are declared above	
Reaction to fire	Euroclass characteristics	E	
	Durability of reaction to fire against ageing/degradation and high temperature	The reaction to fire performance of PU products does not change with time or when subjected to the declared maximum service temperature.	
Service temperatures	Maximum service temperature	ST(+) 80	
	Minimum service temperature	ST(-) 20	
Compression resistance properties	Compressive stress or compressive strength	CS(10Y) 120	
	Point load	NPD	
	Compressive creep	NPD	
Water absorption	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Release of corrosive substances		NPD	
Release of dangerous substances to the indoor environment		No harmonised test method available	
Continuous glowing combustion		No harmonised test method available	
Dimensional stability under specified temperature and humidity condition	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.

Signed for and on behalf of the manufacturer by:

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Ralph Mannion
Managing Director UK and Ireland
First signed Jan 2013
Pembridge, Selby, England, UK
Version 4
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