

Declaration of Performance

Kooltherm[®] Duct Insulation

1000.CPR.2013.KDIO.003

Unique identification code of the product-type:	Kooltherm[®] Duct Insulation
Intended use/es:	Thermal insulation for buildings equipment and Industrial installations
Manufacturer:	Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK
System/s of AVCP:	System 3
Harmonised technical specification	BS-EN 14314:2009+A1:2013
Notified body/ies:	FIW München NB. 0751

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	Refer to ML*	
	Thermal conductivity λ_D (W/(m.K))	-20 °C	0.025
		10 °C	0.022
		19 °C	0.022
25 °C		0.023	
50 °C		0.026	
80 °C	0.030		
	Closed cell content	CV	
Reaction to fire		RtF C-s1,d0	
Durability of reaction to fire against heat, weathering, ageing / degradation		Reaction to fire does not change with time	
Thickness tolerance	$d_N < 50\text{mm}$	T1	
Dimensional stability under specified temperature and humidity condition	48 h, 23 °C, 90 % R.H	DS(23,90)	
	48 h, -20 °C	DS(-20,-)	
Compressive strength	Compressive stress or compressive strength	CS(Y)100	
Service Temperatures	Max	ST(+) 80	
	Min	ST(-)20	
Water permeability	Short term water absorption	NPD	
	Long term water absorption	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Release of dangerous substances to the indoor environment		No harmonized test method available	
Continuous glowing combustion		No harmonized test method available	
NPD: No Performance Determined			

- Manufactures Literature

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:

Richard Burnley
Managing Director UK and Ireland 1/1/2016

