



Declaration of Performance

Kingspan KoolDuct® (export)

1000.CPR.2013.KDexp.004

Unique identification code of the product-type:
Intended use/es:

KoolDuct® (export)
Factory made phenolic foam (PF) products
Thermal insulation for building equipment and industrial installations
Kingspan Insulation Ltd, Pembridge, Herefordshire HR6 9LA, UK
System 1 (Reaction to Fire); System 3 (other properties)
BS EN 14314:2009+A1:2013
Efectis France NB.1812, FIW München NB. 0751

Manufacturer:
System/s of AVCP:
Harmonised standard
Notified body/ies:

Declared performances:			
Essential characteristics		Performance	
Thermal resistance	Thermal conductivity λ_D (W/(m.K))	-20°C	0.023
		10°C	0.022
		19°C	0.023
		25°C	0.024
50°C		0.027	
	80°C	0.031	
	Thickness and tolerance (mm)	d_N 22	T2 ±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	C-s2,d0 – both sides	
	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) 175	
	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		NPD	
Continuous glowing combustion		NPD	
Durability of dimensional stability under specified temperature and humidity condition	48 h, 70°C	NPD	
	48 h, -20°C	NPD	
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.

For System 1 AVCP Notified certification body No 1812 performed, carried out the determination of the product type, the inspection of the manufacturing plant and factory production control and continuous surveillance, assessment and evaluation of the factory production control, and issued the certificate of constancy of performance for reaction to fire, cert No 1812 – CPR - 2094.

Notified testing lab 0751 performed the test reports for the other relevant declared characteristics (AVCP 3 properties).

* Note: Our declaration is based on tests performed on 30mm KoolDuct for these characteristics: Thermal conductivity, Maximum service temperature, Minimum service temperature.



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Signed for and on behalf of the manufacturer by:

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Siobhan O'Dwyer
Managing Director
Pembridge, England, UK
Date signed: 18/11/2024
Issue Number: 004