



# Declaration of Performance

Kingspan KoolDuct®  
1000.CPR.2013.KD.009

Unique identification code of the product-type: **Kingspan KoolDuct®**

Intended use/s: **Factory made phenolic foam (PF) products  
Thermal insulation for building equipment or industrial installations**

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

System/s of AVCP: **System 1 (Reaction to Fire); System 3 (other properties)**

Harmonised technical specification: **EN 14314: 2009+A1: 2013**

Notified body: **Efectis France NB.1812, FIW München NB. 0751**

Essential characteristics		Performance	
Thermal resistance	Thermal conductivity $\lambda_D$ (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 tolerance	d <sub>N</sub> 22-30	T2 ±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	B-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 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 under specified temperature and humidity conditions	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.



# Declaration of Performance

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-2304 (22mm) , 1812-CPR-2269 (30mm). Notified testing lab 0751 performed the tests for the other relevant declared characteristics (AVCP 3 properties)

Our declaration is based on tests performed on 30 mm Kingspan KoolDuct® for these characteristics: Thermal conductivity

Signed for and on behalf of the manufacturer by:

.....  
Siobhan O'Dwyer  
Managing Director  
Pembridge, England, UK  
Date signed: 19/08/2025  
Issue Number: 009