



# Declaration of Performance

1000.CPR.2024.K-ROCFRS.002

Unique identification code of the product-type:  
Intended use/es:  
Manufacturer:  
System/s of AVCP:

**K-Roc Flat Roof Slab 70/039**  
**Thermal insulation for buildings**  
**Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**  
**System 1 (For Reaction to fire), System 3 (For other Properties).**  
**BS EN 13162:2012+A1:2015**  
**FIW:0751**

Harmonised technical specification:  
Notified body/ies:

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 60mm d <sub>N</sub> 80mm d <sub>N</sub> 100mm d <sub>N</sub> 120mm d <sub>N</sub> 140mm d <sub>N</sub> 160mm	1.50 2.05 2.55 3.05 3.55 4.10
	Thermal conductivity $\lambda_D$ (W/(m.K))	0.039	
	Thickness tolerance	T4	
Reaction to fire	Reaction to fire	A1	
Durability of fire and thermal properties	Durability of reaction to fire against heat, weathering, ageing / degradation	NPD	
	Durability of Thermal Resistance Against Heat, Weathering, Ageing/Degradation		
Dimensional stability under specified temperature and humidity condition	Dimensional stability	DS(70,90)	
Compressive strength and stress	Compressive stress	CS(10)70	
	Point load	PL(5)1000	
Durability of compressive strength against ageing / degradation	Compressive creep	NPD	
Tensile flexural strength	Tensile strength perpendicular to faces	TR10	
Water permeability	Short term water absorption	WS	
	Long term water absorption	NPD	



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Water vapour permeability	Water vapour diffusion resistance factor	MU1
	Water Vapour Resistance	NPD
Direct airborne sound insulation index	Air Flow Resistivity	NPD
Acoustic absorption index	Sound absorption	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
Continuous glowing combustion	Glowing combustion	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 0751 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. 0751-CPR-400.3-01.

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

Signed for and on behalf of the manufacturer by:

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**Siobhan O'Dwyer**  
**Managing Director**  
**Great Britain & Ireland**  
**Date signed: 11/11/2024**  
**Issue Number: 002**



For the most up-to-date version of the Declaration of Performance please scan or [click here](#).

To access pre-existing product information or information relating to previously sold/discontinued products please email [literature@kingspaninsulation.co.uk](mailto:literature@kingspaninsulation.co.uk).