



# Declaration of Performance

Kingspan AlphaCore Pad

1000.CPR.2013.ACPad.002

Unique identification code of the product-type:

**Kingspan AlphaCore Pad**

Intended use/es:

**Thermal Insulation for Buildings**

Manufacturer:

**Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK**

System/s of AVCP:

**System 1 (Reaction to Fire), System 3 (Other Properties)**

Designated technical specification/EAD

**EAD 040057-00-1201**

European Technical Assessment:

**ETA-22/0736**

European Technical Assessment Body:

**DIBt**

Notified body/ies:

**MFPA: 0800**

Essential characteristics		Performance
Thermal Conductivity	Thermal conductivity $\lambda_{D(23,50)}$ (W/(m.K))	0.020 $\lambda_D$
	Thickness tolerance	T1
Reaction to fire	Reaction to fire	A2-s1,d0
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability Characteristics	NPD
Durability of thermal resistance against heat, weathering, ageing/ degradation	Durability Characteristics	NPD
	Dimensional stability under specified temperature and humidity condition	DS(70,90) < 0.5% (length and width) < 0.5% (thickness)
	Determination of the aged values of thermal resistance and thermal conductivity	$R_D$ and $\lambda_D$
Compressive strength at 10%	Compressive strength	$\geq 75$ kPa
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	$\leq 0.95$ kg/m <sup>2</sup>
Water vapour permeability	Water vapour diffusion resistance factor	NPD
Density	Density range (of the insulation core)	155 kg/m <sup>3</sup> to 195 kg/m <sup>3</sup>



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Release of dangerous substances to the indoor environment	Release of dangerous substances	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 0800 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 cert No 0800-CPR-23-1570-4.

**Signed for and on behalf of the manufacturer by:**

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**Siobhan O'Dwyer**  
**Managing Director**  
**Pembridge, England, UK**  
**Date signed: 29/07/2024**  
**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).