

# UK Declaration of Performance

## EcoTherm Eco-Cavity

1000.UKDoP.ETEC.001

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Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

UK Assessment/Notified body/ies:

**EcoTherm Eco-Cavity**

**Thermal insulation for buildings**

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

**System 4 (Reaction to fire), System 3 (Other Properties)**

**BS-EN 13165:2012+A2:2016**

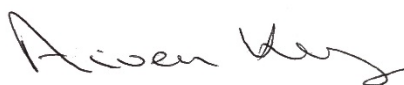
**University of Salford: 1145. B.I.T.S: 1334, BBA: 0836**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 40mm d <sub>N</sub> 50mm d <sub>N</sub> 60mm d <sub>N</sub> 70mm d <sub>N</sub> 75mm d <sub>N</sub> 80mm d <sub>N</sub> 90mm d <sub>N</sub> 100mm	1.80 2.25 2.70 3.15 3.40 3.60 4.05 4.50
	Thermal conductivity $\lambda_D$ (W/(m.K))	d <sub>N</sub> 40mm- d <sub>N</sub> 100mm	0.022
	Thickness tolerance	T2	
Reaction to fire	Reaction to fire	F	
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability of the reaction to fire of the product as placed on the market	NPD	
	Durability of thermal resistance and thermal conductivity against ageing/ degradation	NPD	
Durability of Thermal Resistance against heat, weathering, ageing / degradation	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W) Thermal conductivity $\lambda_D$ (W/(m.K))	Thermal resistance as table above 0.022	
	Durability characteristics	NPD	
	Dimensional stability under specified temperature and humidity condition	DS(70,90)3 DS(-20,-)1	
	Deformation under specified compressive load and temperature conditions	NPD	

	Determination of the aged values of thermal resistance and thermal conductivity	$\lambda_D 0,022 \text{ W/m}\cdot\text{K}$
Compressive strength	Compressive stress or compressive strength	CS(10\Y)140
Tensile / Flexural strength	Tensile strength perpendicular to faces	NPD
Durability of compressive strength against ageing / degradation	Compressive creep	NPD
Water permeability	Short term water absorption	NPD
	Long term water absorption	NPD
	Flatness after one sided wetting	NPD
Water vapour permeability	Water vapour transmission	NPD
Acoustic absorption index	Sound absorption	NPD
Continuous Glowing combustion	Glowing combustion	NPD
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD
NPD: No Performance Determined		

EU Regulation 305/2011, as retained in UK law, and as amended by SI no. 465/2019 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2019) and SI no. 1359/2020 (the Construction Products (Amendment etc.) (EU Exit) Regulations 2020.)

Signed for and on behalf of the manufacturer by:



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**Aiveen Kearney**  
**Managing Director**  
**Pembridge, Selby, England, UK**  
**Date signed: 03/07/2023**  
**Issue Number: 001**



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

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Previously issued under Ecotherm Insulation Ltd transferred to Kingspan Insulation Ltd