

UK Declaration of Performance

EcoTherm Eco-Cavity

1000.UKDoP.ETEC.002

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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, BBA: 0836

Essential characteristics		Performance																
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	<table border="0"> <tr><td>d_N 40mm</td><td>1.80</td></tr> <tr><td>d_N 50mm</td><td>2.25</td></tr> <tr><td>d_N 60mm</td><td>2.70</td></tr> <tr><td>d_N 70mm</td><td>3.15</td></tr> <tr><td>d_N 75mm</td><td>3.40</td></tr> <tr><td>d_N 80mm</td><td>3.60</td></tr> <tr><td>d_N 90mm</td><td>4.05</td></tr> <tr><td>d_N 100mm</td><td>4.50</td></tr> </table>	d_N 40mm	1.80	d_N 50mm	2.25	d_N 60mm	2.70	d_N 70mm	3.15	d_N 75mm	3.40	d_N 80mm	3.60	d_N 90mm	4.05	d_N 100mm	4.50
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Thermal conductivity λ_D (W/(m.K))	d_N 40mm- d_N 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 ² .K)/W)	Thermal resistance as table above																
	Thermal conductivity λ_D (W/(m.K))	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		λ_D 0,022 W/m-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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Siobhan O'Dwyer
Managing Director
Pembridge, Selby, England, UK
Date signed: 26/09/2024
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

Previously issued under Ecotherm Insulation Ltd transferred to Kingspan Insulation Ltd