

# UK Declaration of Performance

## EcoTherm Eco-Torch

1000.UKDoP.ETET.001

1001.UKDoP.ETET.001

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-Torch**

**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 <sup>2</sup> .K)/W)	<table border="0"> <tr><td><math>d_n</math> 30mm</td><td>1.10</td></tr> <tr><td><math>d_n</math> 40mm</td><td>1.45</td></tr> <tr><td><math>d_n</math> 50mm</td><td>1.85</td></tr> <tr><td><math>d_n</math> 60mm</td><td>2.20</td></tr> <tr><td><math>d_n</math> 70mm</td><td>2.55</td></tr> <tr><td><math>d_n</math> 80mm</td><td>3.20</td></tr> <tr><td><math>d_n</math> 90mm</td><td>3.60</td></tr> <tr><td><math>d_n</math> 100mm</td><td>4.00</td></tr> <tr><td><math>d_n</math> 120mm</td><td>5.00</td></tr> <tr><td><math>d_n</math> 130mm</td><td>5.40</td></tr> <tr><td><math>d_n</math> 140mm</td><td>5.80</td></tr> <tr><td><math>d_n</math> 150mm</td><td>6.25</td></tr> </table>	$d_n$ 30mm	1.10	$d_n$ 40mm	1.45	$d_n$ 50mm	1.85	$d_n$ 60mm	2.20	$d_n$ 70mm	2.55	$d_n$ 80mm	3.20	$d_n$ 90mm	3.60	$d_n$ 100mm	4.00	$d_n$ 120mm	5.00	$d_n$ 130mm	5.40	$d_n$ 140mm	5.80	$d_n$ 150mm	6.25
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Thermal conductivity $\lambda_D$ (W/(m.K))	Flat board - Pembridge Plant 1000 <table border="0"> <tr><td><math>d_N &lt; 80</math>mm</td><td>0.027</td></tr> <tr><td><math>d_N 80-119</math>mm</td><td>0.025</td></tr> <tr><td><math>d_N \geq 120</math>mm</td><td>0.024</td></tr> </table> Flat board – Selby Plant 1001 <table border="0"> <tr><td><math>d_N &lt; 80</math>mm</td><td>0.027</td></tr> <tr><td><math>d_N 80-119</math>mm</td><td>Not manufactured</td></tr> <tr><td><math>d_N \geq 120</math>mm</td><td>0.024</td></tr> </table>	$d_N < 80$ mm	0.027	$d_N 80-119$ mm	0.025	$d_N \geq 120$ mm	0.024	$d_N < 80$ mm	0.027	$d_N 80-119$ mm	Not manufactured	$d_N \geq 120$ mm	0.024													
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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																								
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	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	λD 0,024, 0.025, 0,027 W/m-K	
Compressive strength	Compressive stress or compressive strength	CS(10\Y)150	
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR80	
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: 25/11/2024**  
**Issue Number: 001**



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

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