

## UK Declaration of Performance

Thermarroof® TR26

1000.UKDoP.TR26.003

1001.UKDoP.TR26.003

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

UK Assessment body/ies:

**Thermarroof® TR26**

**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**

Essential characteristics		Performance
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	d <sub>N</sub> 20mm 0.95
		d <sub>N</sub> 30mm 1.35
		d <sub>N</sub> 40mm 1.80
d <sub>N</sub> 50mm 2.25		
d <sub>N</sub> 60mm 2.70		
d <sub>N</sub> 70mm 3.15		
d <sub>N</sub> 80mm 3.60		
d <sub>N</sub> 90mm 4.05		
d <sub>N</sub> 100mm 4.50		
d <sub>N</sub> 120mm 5.45		
d <sub>N</sub> 130mm 5.90		
d <sub>N</sub> 140mm 6.35		
d <sub>N</sub> 150mm 6.80		
d <sub>N</sub> 160mm 7.25		
Thermal resistance	Thermal conductivity $\lambda_D$ (W/(m.K))	d <sub>N</sub> 20mm 0.022 d <sub>N</sub> 160mm
	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

## UK Declaration of Performance

	Determination of the aged values of thermal resistance and thermal conductivity	$\lambda_D$ 0,022 W/m·K
Compressive strength	Compressive stress or compressive strength	CS(10\Y)150
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR40
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:



.....  
**Ralph Mannion**  
**Managing Director**  
**Pembridge & Selby, England, UK**  
**Date signed: 18/01/2022**  
**Issue Number: 003**

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# Declaration of Performance

Thermarroof® TR26

1000.CPR.2013.TR26.006

Unique identification code of the product-type:  
Intended use/es:  
Manufacturer:  
System/s of AVCP:  
Harmonised technical specification:  
Notified body/ies:

**Thermarroof® TR26**  
**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**  
**FIW München:0751**

Essential characteristics		Performance
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	$d_N$ 20mm 0.95
		$d_N$ 30mm 1.35
		$d_N$ 40mm 1.80
$d_N$ 50mm 2.25		
$d_N$ 60mm 2.70		
$d_N$ 70mm 3.15		
$d_N$ 80mm 3.60		
$d_N$ 90mm 4.05		
$d_N$ 100mm 4.50		
$d_N$ 120mm 5.45		
$d_N$ 130mm 5.90		
$d_N$ 140mm 6.35		
$d_N$ 150mm 6.80		
$d_N$ 160mm 7.25		
	Thermal conductivity $\lambda_D$ (W/(m.K))	$d_N$ 20mm $d_N$ 160mm 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 resistance as table above
	Thermal conductivity $\lambda_D$ (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	DLT(2)5
	Determination of the aged values of thermal resistance and thermal conductivity	$\lambda_D$ 0,022 W/m.K



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Compressive strength	Compressive stress or compressive strength	CS(10\Y)150
Tensile / Flexural strength	Tensile strength perpendicular to faces	TR40
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		

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.

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

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**Ralph Mannion**  
**Managing Director**  
**Pembridge, England, UK**  
**Date signed: 18 /01/2022**  
**Issue Number: 006**

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