



Declaration of Performance

Kingspan OPTIM-R Flex (T)

1000.CPR.2022.OPTRFLT.002

Unique identification code of the product-type:

Kingspan Optim-R Flex (T – PIR)

Intended use/es:

Thermal insulation for buildings

Manufacturer:

Kingspan Insulation Ltd, Herefordshire HR6 9LA, UK

System/s of AVCP:

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

Harmonised technical specification:

BS EN 13165:2012+A2:2016

Notified body/ies:

FIW München: 0751

Essential characteristics		Performance										
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	<table border="0"> <tr><td>d_N 25mm</td><td>0.90</td></tr> <tr><td>d_N 30mm</td><td>1.10</td></tr> <tr><td>d_N 40mm</td><td>1.45</td></tr> <tr><td>d_N 50mm</td><td>1.85</td></tr> <tr><td>d_N 60mm</td><td>2.20</td></tr> </table>	d_N 25mm	0.90	d_N 30mm	1.10	d_N 40mm	1.45	d_N 50mm	1.85	d_N 60mm	2.20
	d_N 25mm	0.90										
	d_N 30mm	1.10										
d_N 40mm	1.45											
d_N 50mm	1.85											
d_N 60mm	2.20											
Thermal conductivity λ_D (W/(m.K))	$d_N < 80mm$ 0.027											
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))	$d_N < 80mm$ 0.027										
	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	λ_D 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										



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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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Siobhan O'Dwyer
Managing Director
Pembridge, England, UK
Date signed: 19/09/2024
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.