



# Declaration of Performance

Therma™ TT47

1000.CPR.2013.TT47.003

Unique identification code of the product-type:	<b>Therma™ TT47</b>
Intended use/es:	<b>Thermal insulation for buildings</b>
Manufacturer:	<b>Kingspan Insulation Ltd, Herefordshire HR6 9LA,UK</b>
System/s of AVCP:	<b>System 3</b>
Harmonised technical specification:	<b>BS-EN 13165:2012+A2:2016</b>
Notified body/ies:	<b>FIW München NB. 0751 University of Salford NB 1145.Exova NB 1104</b>

Essential characteristics		Performance
Thermal resistance	Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)	1:60 <b>TYPE A</b> d <sub>N</sub> 30mm- 1.15 R <sub>D</sub> d <sub>N</sub> 50mm- 1.90 R <sub>D</sub> <b>TYPE B</b> d <sub>N</sub> 50mm-1.90 R <sub>D</sub> d <sub>N</sub> 70mm-2.65 R <sub>D</sub> <b>TYPE C</b> d <sub>N</sub> 70mm-2.65 R <sub>D</sub> d <sub>N</sub> 90mm-3.60 R <sub>D</sub> <b>TYPE D</b> d <sub>N</sub> 90mm-3.60 R <sub>D</sub> d <sub>N</sub> 110mm-4.40 R <sub>D</sub> <b>TYPE E</b> d <sub>N</sub> 110mm-4.40 R <sub>D</sub> d <sub>N</sub> 130mm-5.40 R <sub>D</sub> <b>TYPE F</b> d <sub>N</sub> 130mm-5.40 R <sub>D</sub> d <sub>N</sub> 150mm-6.25 R <sub>D</sub>
	Thermal conductivity $\lambda_D$ (W/(m.K))	d <sub>N</sub> < 80mm            0.026 d <sub>N</sub> 80-119mm        0.025 d <sub>N</sub> ≥ 120mm         0.024
	Thickness tolerance	d <sub>N</sub> 25-200mm        T2
Reaction to fire	Reaction to fire	E
Durability of reaction to fire against heat, weathering, ageing / degradation		NPD
Durability of thermal resistance against heat, weathering, ageing / degradation	Dimensional stability	DS(70,90)3 DS(-20,-)1
	Deformation under specified compressive load and temperature conditions	DLT(2)5
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
Release of dangerous substances to the indoor environment		NPD
NPD: No Performance Determined		



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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 UK and Ireland**  
**Selby & Pembridge, England, UK**  
**Version: 3**  
**Version date: 1/1/2019**  
**First signed: 1/1/2019**