

UK Declaration of Performance

Thermapitch® TP10 Thermafloor® TF70 Thermawall® TW55

1000.UKDoP.TP10.TF70.TW55.001

1001.UKDoP.TP10.TF70.TW55.001

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Designated technical specification:

UK Assessment body/ies:

Thermapitch® TP10, Thermafloor® TF70, Thermawall® TW55

Thermal insulation for buildings

Kingspan Insulation Ltd, Herefordshire, HR6 9LA,UK

System 3 System 4 RtF

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 ² .K)/W)	<table border="1"> <tr><td>d_N 20mm</td><td>0.95</td></tr> <tr><td>d_N 30mm</td><td>1.35</td></tr> <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 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> <tr><td>d_N 120mm</td><td>5.45</td></tr> <tr><td>d_N 130mm</td><td>5.90</td></tr> <tr><td>d_N 140mm</td><td>6.35</td></tr> <tr><td>d_N 150mm</td><td>6.80</td></tr> <tr><td>d_N 165mm</td><td>7.50</td></tr> </table>	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 165mm	7.50
	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 165mm	7.50																													
Thermal conductivity λ_D (W/(m.K))	<table border="1"> <tr><td>d_N 20mm- d_N 165mm</td><td>0.022</td></tr> </table>	d_N 20mm- d_N 165mm	0.022																											
d_N 20mm- d_N 165mm	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																												

UK Declaration of Performance

	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:



.....
Ralph Mannion
Managing Director
Pembridge, Selby, England, UK
Date signed: 28/06/2021
Issue Number: 001