

UK Declaration of Performance

Thermapitch® TP10 Thermafloor® TF70 Thermawall® TW55

1000.UKDoP.TP10.TF70.TW55.001

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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)) | 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 0.022 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Thermal conductivity λ_D (W/(m.K)) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| | 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:



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