

# Declaration of Performance

Therma™ TF72

2100.CPR.2024.TF72.001

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

**Therma™ TF72**

**Thermal insulation for buildings**

**Kingspan Insulation Oy - Sillanpääkatu 20 - 38710 Kankaanpää (FIN)**

**System 4; reaction to fire**

**System 3; all other characteristics**

**EN 13165:2012+A2:2016**

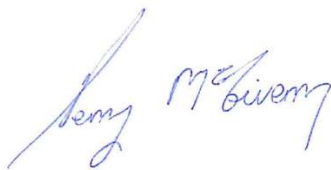
**Eurofins Expert Services Oy (No. 0809)**

| Essential characteristics                                                     |                                            | Performance       |       |
|-------------------------------------------------------------------------------|--------------------------------------------|-------------------|-------|
| Thermal resistance                                                            | Thermal resistance $R_D$ ((m².K)/W)        | $d_N$ 30mm        | 1.05  |
|                                                                               |                                            | $d_N$ 40mm        | 1.40  |
|                                                                               |                                            | $d_N$ 50mm        | 1.75  |
|                                                                               |                                            | $d_N$ 60mm        | 2.10  |
|                                                                               |                                            | $d_N$ 70mm        | 2.50  |
| $d_N$ 80mm                                                                    |                                            | 2.95              |       |
| $d_N$ 90mm                                                                    |                                            | 3.30              |       |
| $d_N$ 100mm                                                                   |                                            | 3.70              |       |
| $d_N$ 120mm                                                                   |                                            | 4.60              |       |
|                                                                               | Thermal conductivity $\lambda_D$ (W/(m.K)) | $d_N < 80$ mm     | 0.028 |
|                                                                               |                                            | $d_N$ 80-119mm    | 0.027 |
|                                                                               |                                            | $d_N \geq 120$ mm | 0.026 |
|                                                                               | Thickness tolerance                        | $d_N$ 30-100mm    | T1    |
| Reaction to fire                                                              |                                            | F                 |       |
| Durability of reaction to fire against heat, weathering, ageing / degradation |                                            | NPD               |       |
| Dimensional stability under specified temperature and humidity condition      |                                            | DS(70,90)1        |       |
|                                                                               |                                            | DS(-20,-)1        |       |
| Deformation under specified compressive load and temperature conditions       |                                            | NPD               |       |
| Compressive strength                                                          | Compressive stress or compressive strength | CS(10\Y)100       |       |
| Tensile / Flexural strength                                                   | Tensile strength perpendicular to faces    | NPD               |       |
| Durability of compressive strength against ageing / degradation               | Compressive creep                          | NPD               |       |
| Water permeability<br>Water vapour permeability                               | Short term water absorption                | NPD               |       |
|                                                                               | Long term water absorption                 | NPD               |       |
|                                                                               | Flatness after one sided wetting           | NPD               |       |
|                                                                               | Water vapour transmission                  | NPD               |       |
| Acoustic absorption index                                                     | Sound absorption                           | NPD               |       |
| Release of dangerous substances to the indoor environment                     |                                            | NPD               |       |
| Continuous glowing combustion                                                 |                                            | 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:

Terry Mc Givern,  
Managing Director Continental Europe



Kankaanpää, Finland, 25.10.2024