

# Declaration of Performance

Therma™ TF71

1036.CPR.2023.TF71.002 | 1046.CPR.2023.TF71.002

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

**Therma™ TF71**

**Thermal insulation for buildings**

**Kingspan Insulation BV - Lorentzstraat 1 - 7102 JH, Winterswijk (NL)**

**System 4; reaction to fire**

**System 3; all other characteristics**

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

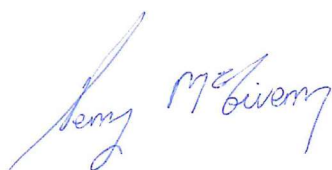
**FIW München (No. 0751)**

| Essential characteristics                                                     |                                               | Performance             |      |
|-------------------------------------------------------------------------------|-----------------------------------------------|-------------------------|------|
| Thermal resistance                                                            | Thermal resistance R <sub>D</sub> ((m².K)/W)  | d <sub>N</sub> 20mm     | 0.85 |
|                                                                               |                                               | d <sub>N</sub> 30mm     | 1.30 |
|                                                                               |                                               | d <sub>N</sub> 40mm     | 1.70 |
|                                                                               |                                               | d <sub>N</sub> 50mm     | 2.15 |
|                                                                               |                                               | d <sub>N</sub> 60mm     | 2.60 |
|                                                                               |                                               | d <sub>N</sub> 70mm     | 3.00 |
|                                                                               |                                               | d <sub>N</sub> 80mm     | 3.45 |
|                                                                               |                                               | d <sub>N</sub> 90mm     | 3.90 |
|                                                                               |                                               | d <sub>N</sub> 100mm    | 4.30 |
|                                                                               |                                               | d <sub>N</sub> 120mm    | 5.20 |
| d <sub>N</sub> 140mm                                                          | 6.05                                          |                         |      |
| d <sub>N</sub> 160mm                                                          | 6.95                                          |                         |      |
|                                                                               | Thermal conductivity λ <sub>D</sub> (W/(m.K)) | 0.023                   |      |
|                                                                               | Thickness                                     | d <sub>N</sub> 20-160mm | T1   |
| Reaction to fire                                                              |                                               | RtF 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                                                            | 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                     |      |
| 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



Winterswijk, The Netherlands, 25.10.2024