

# Declaration of Performance

Kooltherm® K8

1003.CPR.2013.K8.006

Unique identification code of the product-type:

Intended use/es:

Manufacturer:

System/s of AVCP:

Harmonised technical specification:

Notified body/ies:

**Kooltherm® K8**

**Thermal insulation for buildings**

**Kingspan Insulation BV - Lingewei 8 - 4004 LL, Tiel (NL)**

**System 1; reaction to fire**

**System 3; all other characteristics**

**NEN-EN 13166:2012+A2:2016**

**FIW München (No. 0751)**

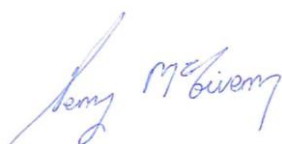
| Essential characteristics                                                     |                                                  | Performance    |       |
|-------------------------------------------------------------------------------|--------------------------------------------------|----------------|-------|
| Thermal resistance                                                            | Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W) | $d_N$ 50mm     | 2.35  |
|                                                                               |                                                  | $d_N$ 60mm     | 2.85  |
|                                                                               |                                                  | $d_N$ 70mm     | 3.30  |
|                                                                               |                                                  | $d_N$ 80mm     | 3.80  |
|                                                                               |                                                  | $d_N$ 90mm     | 4.25  |
|                                                                               |                                                  | $d_N$ 100mm    | 4.75  |
|                                                                               |                                                  | $d_N$ 120mm    | 5.70  |
|                                                                               |                                                  | $d_N$ 140mm    | 6.65  |
|                                                                               |                                                  | $d_N$ 150mm    | 7.10  |
|                                                                               | Thermal conductivity $\lambda_D$ (W/(m.K))       | $d_N$ 50-150mm | 0.021 |
|                                                                               | Thickness tolerance                              | $d_N$ 50-150mm | T1    |
|                                                                               | Closed cell content                              | CV             |       |
| Reaction to fire                                                              |                                                  | RtF C-s1,d0    |       |
| Durability of reaction to fire against heat, weathering, ageing / degradation |                                                  | NPD            |       |
| Dimensional stability under specified temperature and humidity condition      |                                                  | DS(70,-)       |       |
|                                                                               |                                                  | DS(70,90)      |       |
|                                                                               |                                                  | DS(-20,-)      |       |
| Compressive strength                                                          | Compressive stress or compressive strength       | CS(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            |       |
| Water vapour permeability                                                     | Water vapour transmission                        | 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



Tiel, The Netherlands, 01.01.2025