

# Declaration of Performance

Kooltherm® K15 C

1003.CPR.2019.K15C.006

Unique identification code of the product-type: **Kooltherm® K15 C**  
 Intended use/es: **Thermal insulation for buildings**  
 Manufacturer: **Kingspan Insulation BV - Lingewei 8 - 4004 LL, Tiel (NL)**  
 System/s of AVCP: **System 1: reaction to fire**  
**System 3: all other characteristics**  
 Harmonised technical specification: **NEN-EN 13166:2012+A2:2016**  
 Notified body/ies: **FIW München (No. 0751)**

FIW München (No. 0751) performed the determination of the product-type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product; the initial inspection of the manufacturing plant and of factory production control; and the continuous surveillance, assessment and evaluation of factory production control under system 1 for reaction to fire and issued the certificate of constancy of performance No. 0751-CPR-282.0-01.

FIW München (No. 0751) performed the determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), type calculation, tabulated values or descriptive documentation of the product under system 3 for all other characteristics and issued the test reports.

Table 1

| Essential characteristics                                                       |                                                                                 | Performance                              |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------|
| Thermal resistance                                                              | Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)                                | $R_D$ : Table 2                          |
|                                                                                 | Thermal conductivity $\lambda_D$ (W/(m.K))                                      | $d_N$ 50-159mm 0.021                     |
|                                                                                 | Thickness                                                                       | $d_N$ 50-159mm T1                        |
|                                                                                 | Closed cell content                                                             | CV                                       |
| Reaction to fire                                                                | Reaction to fire                                                                | C-s2, d0                                 |
| Durability of reaction to fire against heat, weathering, ageing / degradation   | Durability characteristics                                                      | NPD                                      |
|                                                                                 | Dimensional stability                                                           | DS(70,-)                                 |
|                                                                                 |                                                                                 | DS(70,90)                                |
|                                                                                 |                                                                                 | DS(-20,-)                                |
| Durability of thermal resistance against heat, weathering, ageing / degradation | Compressive strength                                                            | CS(Y)100                                 |
|                                                                                 | Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W)                                | $R_D$ : Table 2                          |
|                                                                                 | Thermal conductivity $\lambda_D$ (W/(m.K))                                      | $\lambda_D$ : Table 2                    |
|                                                                                 | Durability characteristics                                                      | NPD                                      |
|                                                                                 | Dimensional stability                                                           | DS(70,-)                                 |
|                                                                                 |                                                                                 | DS(70,90)                                |
|                                                                                 |                                                                                 | DS(-20,-)                                |
|                                                                                 | Determination of the aged values of thermal resistance and thermal conductivity | $R_D$ : Table 2<br>$\lambda_D$ : Table 2 |
| 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                                      |
|                                                                                 | Closed cell content                                                             | CV                                       |
| Water vapour permeability                                                       | Water vapour transmission                                                       | NPD                                      |
|                                                                                 | Closed cell content                                                             | CV                                       |
| Release of dangerous substances to the indoor environment                       | Release of dangerous substances                                                 | NPD                                      |
| Continuous glowing combustion                                                   | Continuous glowing combustion                                                   | NPD                                      |
| NPD: No Performance Determined                                                  |                                                                                 |                                          |

# Declaration of Performance

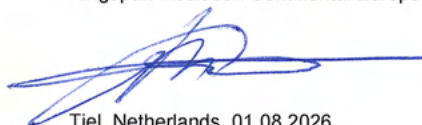
Table 2

| Thickness $d_N$ | Thermal conductivity $\lambda_D$ (W/(m.K)) | Thermal resistance $R_D$ ((m <sup>2</sup> .K)/W) |
|-----------------|--------------------------------------------|--------------------------------------------------|
| 50 mm           | 0.021                                      | 2.35                                             |
| 60 mm           | 0.021                                      | 2.85                                             |
| 70 mm           | 0.021                                      | 3.30                                             |
| 80 mm           | 0.021                                      | 3.80                                             |
| 90 mm           | 0.021                                      | 4.25                                             |
| 100 mm          | 0.021                                      | 4.75                                             |
| 120 mm          | 0.021                                      | 5.70                                             |
| 140 mm          | 0.021                                      | 6.65                                             |
| 150 mm          | 0.021                                      | 7.10                                             |
| 159 mm          | 0.021                                      | 7.55                                             |

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:

Michel van der Helm,  
Managing Director  
Kingspan Insulation Continental Europe



Tiel, Netherlands, 01.08.2026