

# Declaration of Performance

Kooltherm® K10 CWW

1036.CPR.2024.K10CWW.003

Unique identification code of the product-type: **Kooltherm® K10 CWW**  
 Intended use/es: **Thermal insulation for buildings**  
 Manufacturer: **Kingspan Insulation BV - Lorentzstraat 1 - 7102 JH, Winterswijk (NL)**  
 System/s of AVCP: **System 1: reaction to fire**  
**System 3: all other characteristics**  
 Harmonised technical specification: **NEN-EN 13168:2012+A1:2015**  
 Notified body/ies: **Efectis France (No. 1812)**

Efectis France (No. 1812) 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. 1812-CPR-2161.

Efectis France (No. 1812) 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 $R_D$ ((m².K)/W)        | $R_D$ : Table 2                      |                |
|                                                                                 | Thermal conductivity $\lambda_D$ (W/(m.K)) | PF; $d_N$ 40-140mm<br>WW; $d_N$ 15mm | 0.021<br>0.096 |
|                                                                                 | Thickness                                  | $d_N$ 55-155mm                       | T1             |
| Reaction to fire                                                                | Reaction to fire                           | B-s1, d0                             |                |
| Durability of thermal resistance against heat, weathering, ageing / degradation | Thermal resistance $R_D$ ((m².K)/W)        | $R_D$ : Table 2                      |                |
|                                                                                 | Thermal conductivity $\lambda_D$ (W/(m.K)) | $\lambda_D$ : Table 2                |                |
|                                                                                 | Durability characteristics                 | NPD                                  |                |
| Durability of reaction to fire against heat, weathering, ageing / degradation   | Durability characteristics                 | NPD                                  |                |
| Compressive strength                                                            | Compressive stress or compressive strength | CS(10/Y)75                           |                |
|                                                                                 | Point load                                 | NPD                                  |                |
| Tensile / Flexural strength                                                     | Tensile strength perpendicular to faces    | NPD                                  |                |
|                                                                                 | Bending strength                           | NPD                                  |                |
| Water vapour permeability                                                       | Water vapour transmission                  | NPD                                  |                |
| Water permeability                                                              | Short term water absorption                | NPD                                  |                |
| Durability of compressive strength against ageing / degradation                 | Compressive creep                          | NPD                                  |                |
| Acoustic absorption index                                                       | Sound absorption                           | NPD                                  |                |
| 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) |
|------------------|--------------------------------------------|--------------------------------------------------|
| $d_N$ 40 + 15mm  | 0.021 + 0.096                              | 2.05                                             |
| $d_N$ 60 + 15mm  | 0.021 + 0.096                              | 3.00                                             |
| $d_N$ 70 + 15mm  | 0.021 + 0.096                              | 3.45                                             |
| $d_N$ 80 + 15mm  | 0.021 + 0.096                              | 3.95                                             |
| $d_N$ 100 + 15mm | 0.021 + 0.096                              | 4.90                                             |
| $d_N$ 120 + 15mm | 0.021 + 0.096                              | 5.85                                             |
| $d_N$ 140 + 15mm | 0.021 + 0.096                              | 6.80                                             |

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