

Declaration of Performance

Kooltherm® S12 Hybrid

1003.CPR.2020.S12Hybrid.001

Unique identification code of the product-type: **Kooltherm® S12 Hybrid**
 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: **Afiti-Licof (No. 1168), VGTU (No. 1688), FIW München (No. 0751)**

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d_N 80mm	4.00
		d_N 90mm	4.50
		d_N 100mm	5.00
		d_N 120mm	6.00
		d_N 140mm	6.65
	Thermal conductivity λ_D (W/(m.K))	d_N 45-120mm	0.020
		d_N 121-159mm	0.021
	Thickness tolerance	d_N 80-140mm	T1
	Closed cell content	CV	
Reaction to fire		RtF B-s2,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:

Henk Bassie,
 Managing Director Continental Europe



Tiel, the Netherlands, 15.06.2021