

Declaration of Performance

No. 5000.CPR.2025-KROC-SR100

Revision: 01

In accordance with Annex III to Regulation (EU) No 305/2011

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| <p>1. Unique identification code of the product-type:
K-Roc Solar Roof 100</p> <p>2. Intended use:
Thermal insulation for buildings</p> <p>3. Manufacturer:
Kingspan Mineral Insulation GmbH,
Paitzdorfer Straße 62, 07580 Ronneburg</p> | <p>4. System or systems of assessment and verification of constancy of performance: AVCP 1 and 3</p> <p>5. Harmonised standard: EN 13162:2012+A1:2015</p> <p>6. Notified certification body or bodies: FIW-München, No 0751</p> <p>7. Certificate of constancy of performance: 0751-CPR-400.0-01</p> <p>8. Declared performances: Table 1.</p> |
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Table 1. Declared performances

Essential characteristics	Requirement clauses	Symbol	Unit	Declared performances
Thermal resistance	Thermal conductivity	λ_D	W/(mK)	0,040
	Thermal resistance	R_D	m ² K/W	Table 2.
	Thickness	T	Class	T4
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal conductivity	λ_D	W/(mK)	0,040
	Thermal resistance	R_D	m ² K/W	Table 2.
	Dimensional stability under specified temperature	DS(70,-)	%	NPD
	Dimensional stability under specified temperature and humidity condition	DS(70,90)	%	≤1
Reaction to fire	Reaction to fire Euroclass characteristics	RtF	Euroclass	A1
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire Euroclass characteristics	RtF	Euroclass	A1
Water permeability	Short time water absorption	WS	kg/m ²	WS
	Long time water absorption	WL(P)	kg/m ²	NPD
Water vapour permeability	Water vapour transition	MU	-	MU1
Compressive strength	Compressive stress or compressive strength	CS(10)	kPa	100
	Point load	PL(5)	N	1300
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	15
Durability of compressive strength against ageing/degradation	Compressive creep	CC(i1/i2/y)σ _c	mm	NPD
Impact noise transition index	Dynamic stiffness	S	MN/m ³	NPD
	Thickness	dL	mm	NPD
		dB	mm	NPD
	Compressibility	C	mm	NPD
	Air flow resistivity	AFr	kPa·s/m ²	NPD
Direct airborne sound insulation index	Air flow resistivity	AFr	kPa·s/m ²	NPD
Acoustic absorption index	Sound absorption	α _p , α _w	-	NPD
Release of dangerous substances to the indoor	Release of dangerous substances	-	-	NPD
Continuous glowing combustion	Continuous glowing combustion	-	-	NPD

Table 2. Thermal resistance

Thickness[mm]	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
R _D [m ² K/W]	-	-	-	-	-	1,50	-	2,00	-	-	-	-	-	-	-
Thickness[mm]	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300
R _D [m ² K/W]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

8. The performance of the product identified above is consistent with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed on behalf of the manufacturer by:

Name: *Michael Stenson*

Place and date of issue: Ronneburg, 22.08.2025