Kingspan Mineral Insulation GmbH
Germany

Declaration of Performance

No. KMI-05.2025-K-Roc Cavity

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

1. Unique identification code of the product-type:
   K-Roc Partial Fill Cavity Wall Slab
2. Intended use:
   Thermal insulation for buildings
3. Manufacturer:
   Kingspan Mineral Insulation GmbH,
   Paitzdorfer Straße 62, 07580 Ronneburg
4. Authorized representative: **Kingspan Insulation Ltd.**
   Bree Industrial Estate, Castleblayney, Monaghan, Ireland
5. System or systems of assessment and verification of constancy of performance: AVCP 1 and 3
6. Harmonised standard: **EN 13162:2012+A1:2015**
7. Notified certification body or bodies: **FIW-München, No 0751**
8. Declared performances: **Table 1.**

Table 1. Declared performances

Essential characteristics	Requirement clauses	Symbol	Unit	Declared performances
Thermal resistance	Thermal conductivity	**λ_D**	W/(mK)	**0,035**
	Thermal resistance	**R_D**	m^2K/W	**Table 2.**
	Thickness	**T**	Class	**T4**
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal conductivity	**λ_D**	W/(mK)	**0,035**
	Thermal resistance	**R_D**	m^2K/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	**WL(P)**
Water vapour permeability	Water vapour transition	**MU**	-	**MU1**
Compressive strength	Compressive stress or compressive strength	**CS(10)**	kPa	**NPD**
	Point load	**PL(5)**	N	**NPD**
Tensile/Flexural strength	Tensile strength perpendicular to faces	**TR**	kPa	**NPD**
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**	$kPa{\cdot}s/m^2$	**NPD**
Direct airborne sound insulation index	Air flow resistivity	**AFr**	$kPa{\cdot}s/m^2$	**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^2K/W]	-	-	-	-	-	-	-	-	-	-	-	3,40	3,70	4,00	4,25
Thickness[mm]	**160**	**170**	**180**	**190**	**200**	**210**	**220**	**230**	**240**	**250**	**260**	**270**	**280**	**290**	**300**
R_D [m^2K/W]	4,55	4,85	5,10	5,40	5,70	-	-	-	-	-	-	-	-	-	-

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, 30.05.2025