

Declaration of Performance

No. CZ0001-045

1 Unique identification code of the product-type	S02 03
Product/s:	Isover LAM 70
2 Intended use or uses:	Thermal insulation for buildings (ThIB)
3 Manufacturer:	Saint - Gobain Construction Product CZ a.s. Smrčkova 2485/4, 180 00 Prague 8 – Libeň Czech Republic IČO: 25029673, DIČ: CZ 25029673
4 Authorised representative:	not relevant
5 Systém/s of AVCP:	System 1 System 3
6 Notified body/ies:	1023 Institut pro testování a certifikaci a.s.
Harmonised standard:	EN 13162:2012+A1:2015

Essential characteristics	Performance		Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	A1
Realease of Dangerous Substances	Realease of Dangerous Substances	-	-	NPD
Acoustic absorption index	Sound absorption	-	-	NPD
Impact Noise Transmission Index	Dynamic stiffness	s'	MN/m ³	NPD
	Thickness	d _L	mm	NPD
	Compressibility	c	mm	NPD
	Air flow resistivity	AF _r	kPa.s/m ²	NPD
Direct airborne sound insulation index	Air flow resistivity	AF _r	kPa.s/m ²	NPD
Continous glowing combustion	Continous glowing combustion	-	-	NPD
Thermal Resistance	Thermal Resistance	R _D	m ² K/W	a)
	Thermal Conductivity	λ ₀	W/m K	0,042
	Thickness	d _N	mm	100 - 300
	Thickness Class	T	Class	T4
Water Permeability	Short term Water absorption	W _B	kg/m ²	1
	Long term water absorption	W _{fb}	kg/m ²	3
Water vapour permeability	Water vapour transmission	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	70
	Point Load	F _p	N	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	R	m ² K/W	a)
	Thermal Conductivity	λ	W/m K	0,042
	Durability Characteristics	d	mm	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	50
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt	mm	NPD

a) The parameter R is valid for the thickness of the product, range of thickness and thermal resistance - see product data sheet on the web www.isover.cz


Table 2

Thickness [mm]	Length × width [mm]	Quantity per pallet [m ²]	Declared thermal resistance R ₀ [m ² ·K·W ⁻¹]
100	2 000 × 360	28.08	2.35
110	2 000 × 360	25.92	2.60
120	2 000 × 360	23.76	2.85
130	2 000 × 360	21.60	3.05
140	2 000 × 360	19.44	3.30
150	2 000 × 360	17.28	3.55
160	2 000 × 360	17.28	3.80
180	2 000 × 360	15.12	4.25
220	2 000 × 360	12.96	5.20
240	2 000 × 360	10.80	5.70
300	2 000 × 360	8.64	7.10

Specification code:

MW-EN 13162-T4-DS(70,-)-CS(10)70-TR50-WS-WL(P)-MU1

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

Jiří Šulák Name Plant director Function	 Signature	Častolovice Place 10.1.2024 Date	 SAINT-GOBAIN e-mail: info@isover.cz , www.isover.cz
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