

Declaration of Performance

No. CZ0001-039

1 Unique identification code of the product-type S02 03

Product/s:

Isover LAM 50

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_D	W/m K	0,041
	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_{fp}	kg/m ²	3
Water vapour permeability	Water vapour transmission	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	50
	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	0,041
	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_D [m ² ·K·W ⁻¹]
100	2 000 × 360	28.08	2.40
110	2 000 × 360	25.92	2.65
120	2 000 × 360	23.76	2.90
130	2 000 × 360	21.60	3.15
140	2 000 × 360	19.44	3.40
150	2 000 × 360	17.28	3.65
160	2 000 × 360	17.28	3.90
180	2 000 × 360	15.12	4.25
220	2 000 × 360	12.96	5.35
240	2 000 × 360	10.80	5.85
300	2 000 × 360	8.64	7.30

Specification code:

MW-EN 13162-T4-DS(70,-)-CS(10)50-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		Častolovice Place	
Plant director Function	Signature	10.1.2024 Date	e-mail: info@isover.cz , www.isover.cz