

1 Unique identification code of the product-type S02 03

Product/s: Isover LAM50

2 Intended use or uses: Thermal insulation for buildings (ThIB)

3 Manufacturer: Saint - Gobain Construction Product CZ a.s.
Smrčková 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: 1390 Centrum stavebního inženýrství a.s. Praha

Harmonised standard: EN 13162:2012+A1:2015

Essential characteristics	Performance		Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	A1
Release of Dangerous Substances	Release of Dangerous Substances	-	-	NPD
Acoustic absorption index	Sound absorption	-	-	NPD
Impact Noise Transmission Index	Dynamic stiffness	s^{-1}	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
Continuous glowing combustion	Continuous 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_p	kg/m ²	1
	Long term water absorption	W_{lp}	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 Table 2 or product data sheet on the web www.isover.cz

Table 2

Thickness [mm]	100	110	120	130	140	150	160	180	220	240	300
Length x width [mm]	2000 x 360										
Volume per package [m ³]	28.08	23.76	21.60	21.60	19.44	17.28	17.28	15.12	10.80	10.80	8.64
Declared thermal resistance R_D [m ² ·K·W ⁻¹]	2.40	2.65	2.90	3.15	3.40	3.65	3.90	4.25	5.35	5.85	7.30

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 Plant director Function	 Signature	Častolovice Place 1.5.2018 Date	 e-mail: info@isover.cz , www.isover.cz
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