

Declaration of Performance

No. CZ0001-015

1 Unique identification code of the product-type	S01 03
Product/s:	Isover S-i
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	0,039(d ≥ 100 mm) 0,037 (d ≤ 80 mm)
	Thickness	d _N	mm	30-160
	Thickness Class	T	Class	T5
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	60
	Point Load	F _p	N	500
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1
	Thermal Resistance	R	m ² K/W	a)
	Thermal Conductivity	λ	W/m K	0,039(d ≥ 100 mm) 0,037 (d ≤ 80 mm)
Durability of thermal resistance against heat, weathering, ageing/degradation	Durability Characteristics	d	mm	NPD
	Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa
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]	Transport packaging [m ²]	Volume per package [m ³]	Declared thermal resistance R _D [m ² ·K·W ⁻¹]
30	2 000 × 1 200	3.024	100.8	0.80
40	2 000 × 1 200	2.880	72.0	1.05
50	2 000 × 1 200	2.880	57.6	1.35
60	2 000 × 1 200	2.880	48.0	1.60
70	2 000 × 1 200	3.024	43.2	1.85
80	2 000 × 1 200	3.070	38.4	2.15
100	2 000 × 1 200	3.120	31.2	2.55
120	2 000 × 1 200	2.880	24.0	3.05
140	2 000 × 1 200	3.024	19.2	3.55
160	2 000 × 1 200	3.024	19.2	4.10

Specification code:

MW-EN 13162-T5-DS(70,-)-CS(10)60-TR10-PL(5)500-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	7.6.2023 Date	e-mail: info@isover.cz , www.isover.cz