

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.
Smrkova 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
	Dynamic stiffness	s'	MN/m³	NPD
Impact Noise Transmission Index	Thickness	d _L	mm	NPD
	Compressibility	c	mm	NPD
	Air flow resistivity	AF _r	kPa.s/m²	NPD
Direct airborne sound insulation index	Air flow resistivity	AF _r	kPa.s/m²	NPD
Continous glowing combustion	Continous glowing combustion	-	-	NPD
Thermal Resistance	Thermal Resistance	R _D	m² 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/m²	1
	Long term water absorption	W _{lp}	kg/m²	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
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	R	m² K/W	a)
	Thermal Conductivity	λ	W/m K	0,039(d ≥ 100 mm) 0,037 (d ≤ 80 mm)
	Durability Characteristics	d	mm	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	10
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 x width [mm]	Transport packaging [m³]	Volume per package [m³]	Declared thermal resistance R _D [m²·K·W⁻¹]
30	2 000 x 1 200	3,024	100,8	0,80
40	2 000 x 1 200	2,880	72,0	1,05
50	2 000 x 1 200	3,000	60,0	1,35
60	2 000 x 1 200	3,024	50,4	1,60
70	2 000 x 1 200	3,024	43,2	1,85
80	2 000 x 1 200	3,070	38,4	2,15
100	2 000 x 1 200	3,120	31,2	2,55
120	2 000 x 1 200	3,168	26,4	3,05
140	2 000 x 1 200	3,024	21,6	3,55
160	2 000 x 1 200	3,072	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

Plant director
Function



Signature

Častolovice
Place

1.7.2024
Date



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