

Declaration of Performance

No. CZ0001-016

1 Unique identification code of the product-type

S01 03

Product/s:

Isover S

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
Release of Dangerous Substances	Release 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	70
	Point Load	F _p	N	600
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	0,039(d ≥ 100 mm) 0,037 (d ≤ 80 mm)
	Durability Characteristics	d	mm	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	15
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	3.000	60.0	1.35
60	2 000 × 1 200	3.024	50.4	1.60
70	2 000 × 1 200	3.024	43.2	1.85
80	2 000 × 1 200	3.072	38.4	2.15
100	2 000 × 1 200	3.120	31.2	2.55
120	2 000 × 1 200	3.168	26.4	3.05
140	2 000 × 1 200	2.688	19.2	3.55
160	2 000 × 1 200	3.072	19.2	4.10

Specification code:

MW-EN 13162-T5-DS(70,-)-CS(10)70-TR15-PL(5)600-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

22.3.2024

Date

 **ISOVER**
SAINT-GOBAIN

e-mail: info@isover.cz, www.isover.cz