

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.
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
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_t	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	30-120
	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 Table 2 or product data sheet on the web www.isover.cz

Table 2

Thickness [mm]	30	40	50	60	80	100	120
Length × width [mm]	2000 × 1200						
Transport packaging [m ³]	2.59	2.88	2.88	2.88	3.07	3.12	2.88
Volume per package [m ³]	86.4	72.0	57.6	48.0	38.4	31.2	24.0
Declared thermal resistance R_D [m ² K/W]	1.05	1.35	1.60	2.15	2.55	3.05	3.05

Specification code:

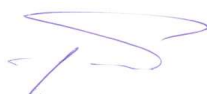
MW-EN 13162-T5-DS(70,-)-CS(10)70-TR15-PL(5)600-WS-WL(P)-MU1

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

26.8.2020

Date

ISOVER
SAINT-GOBAIN

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