

# Declaration of Performance

No. CZ0001-055

1 Unique identification code of the product-type

S01 03

Product/s:

**ISOVER XH**

2 Intended use or uses:

Thermal insulation for buildings (ThIB)

3 Manufacturer:

**Saint-Gobain Construction Products 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:

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 <sup>3</sup>	NPD
	Thickness	d <sub>L</sub>	mm	NPD
	Compressibility	c	mm	NPD
	Air flow resistivity	AF <sub>r</sub>	kPa.s/m <sup>2</sup>	NPD
Direct airborne sound insulation index	Air flow resistivity	AF <sub>r</sub>	kPa.s/m <sup>2</sup>	NPD
Continuous glowing combustion	Continuous glowing combustion	-	-	NPD
Thermal Resistance	Thermal Resistance	R <sub>0</sub>	m <sup>2</sup> K/W	a)
	Thermal Conductivity	λ <sub>0</sub>	W/m K	0,039
	Thickness	d <sub>N</sub>	mm	50, 60, 80, 100
	Thickness Class	T	Class	T5
Water Permeability	Short term Water absorption	W <sub>p</sub>	kg/m <sup>2</sup>	1
	Long term water absorption	W <sub>lp</sub>	kg/m <sup>2</sup>	3
Water vapour permeability	Water vapour transmission	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	100
	Point Load	F <sub>p</sub>	N	1000
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 <sup>2</sup> K/W	a)
	Thermal Conductivity	λ	W/m K	0,039
	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](http://www.isover.cz)

Thickness [mm]	Length × width [mm]	Transport packaging [m <sup>3</sup> ]	Volume per package [m <sup>3</sup> ]	Declared thermal resistance R <sub>0</sub> [m <sup>2</sup> ·K·W <sup>-1</sup> ]
50	2 000 × 1 200	3.000	60.0	1.25
60	2 000 × 1 200	3.024	50.4	1.50
80	2 000 × 1 200	3.072	38.4	2.05
100	2 000 × 1 200	3.120	31.2	2.55

Specification code:

MW-EN 13162-T5-DS(70,-)-CS(10)100-TR15-PL(5)1000-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

16.1.2025

Date

 **ISOVER**  
SAINT-GOBAIN

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