

# Declaration of Performance

No. CZ0001-005

1 Unique identification code of the product-type

S01 01

Product/s:

**Isover UNI**  
**Isover AKU**

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:

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	0,035
	Thickness	d <sub>0</sub>	mm	40-100 (Isover AKU) 40-200 (Isover UNI)
	Thickness Class	T	Class	T4
Water Permeability	Short term Water absorption	W <sub>p</sub>	kg/m <sup>2</sup>	NPD
	Long term water absorption	W <sub>10</sub>	kg/m <sup>2</sup>	NPD
Water vapour permeability	Water vapour transmission	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	NPD
	Point Load	F <sub>p</sub>	N	NPD
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	0,035
	Durability Characteristics	d	mm	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	NPD
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)

Table 2  
Isover UNI

Thickness [mm]	Length × width [mm]	Volume per package			Quantity per pallet [m <sup>2</sup> ]	Declared thermal resistance R <sub>0</sub> [m <sup>2</sup> ·K·W <sup>-1</sup> ]
		[pcs]	[m <sup>2</sup> ]	[m <sup>3</sup> ]		
40	1200 × 600	12	8.64	0.35	198.72	1.10
50	1200 × 600	10	7.20	0.36	165.60	1.40
60	1200 × 600	8	5.76	0.35	132.48	1.70
80	1200 × 600	6	4.32	0.35	99.36	2.25
100	1200 × 600	5	3.60	0.36	82.80	2.85
120	1200 × 600	4	2.88	0.35	66.24	3.40
140	1200 × 600	3	2.16	0.30	56.16	4.00
160	1200 × 600	3	2.16	0.33	51.04	4.25
180	1200 × 600	2	1.44	0.35	49.68	4.55
180	1200 × 600	2	1.44	0.26	41.76	5.10
200	1200 × 600	2	1.44	0.29	37.44	5.70

Isover AKU

Thickness [mm]	40	50	60	70	80	90	100
Length × width [mm]	1200 × 600	1200 × 600	1200 × 600	1000 × 625	1200 × 600	1200 × 600	1200 × 600
Volume per package [m <sup>3</sup> ]	0.35	0.36	0.35	0.30	0.33	0.35	0.36
Quantity per pallet [m <sup>2</sup> ]	198.72	165.60	132.48	99.36	82.80	66.24	56.16
Declared thermal resistance R <sub>0</sub> [m <sup>2</sup> ·K·W <sup>-1</sup> ]	1.10	1.40	1.70	2.25	2.85	3.40	4.00

Specification code:

MW-EN 13162-T4-DS(70,-)-MU1

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is performed 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	6.6.2023 Date	e-mail: <a href="mailto:info@isover.cz">info@isover.cz</a> , <a href="http://www.isover.cz">www.isover.cz</a>