

Declaration of Performance

No. CZ0001-009

1 Unique identification code of the product-type

S01 02

Product/s:

Isover N

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
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	c)
	Thickness	d _t	mm	NPD
	Compressibility	c	mm	5 (d =20-50 mm) NPD (d ≥ 60 mm)
	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 ₀	m ² K/W	a)
	Thermal Conductivity	λ ₀	W/m K	0,035 (d=20-50mm) 0,034 (d ≥ 60mm)
	Thickness	d _w	mm	20-120
	Thickness Class	T	Class	T6 (d =20-50 mm) T5 (pro d ≥ 60mm)
Water Permeability	Short term Water absorption	W _p	kg/m ²	NPD
Water vapour permeability	Long term water absorption	W _{ip}	kg/m ²	NPD
	Water vapour transmission	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	NPD
	Point Load	F _p	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 ² K/W	a)
	Thermal Conductivity	λ	W/m K	0,035 (d=20-50mm) 0,034 (d ≥ 60mm)
	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

Table 2

Thickness [mm]	Length × width [mm]	Volume per package			Quantity per pallet [m ²]	Declared thermal resistance R ₀ [m ² ·K·W ⁻¹]
		[pcs]	[m ²]	[m ³]		
20	1 200 × 600	16	11.52	0.23	161.28	0.55
25	1 200 × 600	12	8.64	0.22	138.24	0.70
30	1 200 × 600	10	7.20	0.22	115.20	0.85
40	1 200 × 600	8	5.76	0.23	80.64	1.10
50	1 200 × 600	6	4.32	0.22	69.12	1.40

on the web www.isover.cz

Table 3

Dynamic stiffness s'	[mm]	Declared value of dynamic rigidity					SD
		20	25	30	40	50	
	[MN·m ⁻³]	25.7	22.9	18.3	9.3	8.4	

Specification code:

MW-EN 13162-T6-CP5-SDi*)-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. Declaration of cut products Isover N / PP is derived from the declared parameters of this product.

Jiří Šulák
Name
Plant director
Function


Signature

Častolovice
Place
10.1.2024
Date



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