

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.
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	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]	20	25	30	40	50	60	70	80	100	120
Length x Width [mm]	1200 x 600									
Declared thermal resistance R ₀ [m ² ·K·W ⁻¹]	0,55	0,70	0,85	1,10	1,40	1,75	2,05	2,35	2,90	3,50

c) Dynamic stiffness parameter is valid for the product thickness, extent and thickness values of dynamic properties - the data sheets on the web www.isover.cz

Table 3

Dynamic stiffness s'	[mm]	Declaration according to EN 13162+A1	Declared value of dynamic rigidity				SD
			20	25	30	40	50
	[MN·m ⁻²]	Measurement according to CSN ISO 9052-1 (idt. EN 29052-1)	25,7	22,9	18,3	9,3	8,4

Kód značení ve smyslu EN 13162:

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 Sulák
Name
Plant director
Function


Signature

Častolovice
Place
8.6.2023
Date


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