

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.
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 ³	c)
	Thickness	d _L	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
Continuous glowing combustion	Continuous glowing combustion	-	-	NPD
Thermal Resistance	Thermal Resistance	R _D	m ² K/W	a)
	Thermal Conductivity	λ _D	W/m K	0,035 (d=20-50mm) 0,034 (d ≥ 60mm)
	Thickness	d _N	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
	Long term water absorption	W _{lp}	kg/m ²	NPD
Water vapour permeability	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 Table 2 or product data sheet on the web www.isover.cz

c) Dynamic stiffness parameter is valid for the product thickness, extent and thickness values of dynamic properties - see Table 3 or the data sheets on the web www.isover.cz

Table 2

Thickness	[mm]	20	25	30	40	50
Length × width	[mm]	1200 × 600				
Volume per package	[pcs]	16	12	10	8	6
Quantity per palette	[m ²]	11.52	8.64	7.20	5.76	4.32
	[m ³]	0.23	0.22	0.22	0.23	0.22
Declared thermal resistance R _D	[m ² ·K·W ⁻¹]	161.28	138.24	115.20	80.64	69.12
		0.55	0.70	0.85	1.10	1.40

Dynamic stiffness s' ^{c)}	[mm]	Declared value of dynamic rigidity				SD
	[MN·m ⁻³]	20	25	30	40	50
		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
1.9.2021
Date

ISOVER
SAINT-GOBAIN

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