

Declaration of Performance

No. **CZ0004-066**

1 Unique identification code of the product-type

E01 01

Product/s:

Isover EPS 200

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:

není relevantní

5 System/s of AVCP:

System 3

6 Notified body/ies:

1390

Centrum stavebního inženýrství a.s. Praha

Harmonised standard:

EN 13163:2012+A1:2015

Essential characteristics	Performance	Abbreviation	Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	E*
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	NPD
	Thickness	d _L	mm	NPD
	Compressibility	c	mm	NPD
Direct airborne sound insulation index	Air flow resistivity	s'	MN/m ³	NPD
Continuous glowing combustion	Continuous glowing combustion			NPD
Thermal resistance	Thermal resistance	R ₀	m ² K/W	**
	Thermal conductivity	λ ₀	W/m K	0,034
	Thickness	d _N	mm	20-140
Water permeability	Short term water absorption	W _{lp}	kg/m ²	NPD
	Long term water absorption	W _{lt}	%	5
Water vapour permeability	Water vapour transmission	MU	-	NPD
Compressive strength	Compressive stress or compressive strength	CS	kPa	200
	Point load	DLT (5)	%	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	RtF	Euroclass	NPD
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance	R	m ² K/W	**
	Thermal conductivity	λ	W/m K	0,034
	Durability characteristics	-	-	NPD
Tensile/Flexural strength	Thickness class	BS	kPa	250
	Tensile strength perpendicular to faces	TR	kPa	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt FTCI	mm - -	NPD NPD NPD

* Self-extinguishing properties of EPS are ensured using a polymer-based flame retardant. The insulation boards do not contain HBCD.

Fire safety of buildings has to be classified for complete structures and systems, the EPS is not used without fire-resistant coatings.

** For characteristics where e.g. the declaration is different for different thickness a table is needed instead of a single value in the table above

Thickness [mm]	Length × width [mm]	Volume per package			Declared thermal resistance R ₀ [m ² ·K·W ⁻¹]
		[pcs]	[m ²]	[m ³]	
20	1000 × 500	25	12.5	0.250	0.55
30	1000 × 500	16	8.0	0.240	0.85
40	1000 × 500	12	6.0	0.240	1.15
50	1000 × 500	10	5.0	0.250	1.45
60	1000 × 500	8	4.0	0.240	1.75
80	1000 × 500	6	3.0	0.240	2.35
100	1000 × 500	5	2.5	0.250	2.90
120	1000 × 500	4	2.0	0.240	3.50
140	1000 × 500	3	1.5	0.210	4.10

Specification code:

EPS-EN13163-T(2)-L(3)-W(3)-Sb(5)-P(10)-BS250-CS(10)200-DS(N)2-DS(70,-)1-DLT(1)5-WL(T)5

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.

Ing. Aleš Krpata

Name
Business Unit EPS Manager
Function


Signature

Lipník nad Bečvou

Place
11.8.2023
Date



e-mail: info@isover.cz, www.isover.cz