

# Declaration of Performance

No. **CZ0004-003**

**1 Unique identification code of the product-type** E01 01

**Product/s:**

**Isover EPS 100**

**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	Abreviation	Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	E*
Realease of dangerous substances	Realease of dangerous substances	-	-	NPD
Acoustic absorption index	Sound absorption	-	-	NPD
	Dynamic stiffness	s'	MN/m <sup>2</sup>	NPD
Impact noise transmission index	Thickness	d <sub>L</sub>	mm	NPD
	Compressibility	c	mm	NPD
Direct airborne sound insulation index	Air flow resistivity	s'	MN/m <sup>2</sup>	NPD
Continous glowing combustion	Continous glowing combustion	-	-	NPD
Thermal resistance	Thermal resistance	R <sub>D</sub>	m <sup>2</sup> K/W	**
	Thermal conductivity	λ <sub>D</sub>	W/m K	0,037
	Thickness	d <sub>N</sub>	mm	10-200
Water permeability	Short term water absorption	W <sub>ip</sub>	kg/m <sup>2</sup>	NPD
	Long term water absorption	W <sub>it</sub>	%	5
Water vapour permeability	Water vapour transmission	MU	-	NPD
Compressive strength	Compressive stress or compressive strength	CS	kPa	100
	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 <sup>2</sup> K/W	**
	Thermal conductivity	λ	W/m K	0,037
	Durability characteristics	-	-	NPD
Tensile/Flexural strength	Thickness class	BS	kPa	150
	Tensile strength perpendicular to faces	TR	kPa	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt	mm	NPD
		FTCI	-	NPD
			-	NPD

NOTE: 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 x width [mm]	Volume per package			Declared thermal resistance R <sub>D</sub> [m <sup>2</sup> ·K·W <sup>-1</sup> ]
		[pcs]	[m <sup>2</sup> ]	[m <sup>3</sup> ]	
10	1 000 × 500	50	25,0	0,250	0,25
20	1 000 × 500	25	12,5	0,250	0,50
30	1 000 × 500	16	8,0	0,240	0,80
40	1 000 × 500	12	6,0	0,240	1,05
50	1 000 × 500	10	5,0	0,250	1,35
60	1 000 × 500	8	4,0	0,240	1,60
80	1 000 × 500	6	3,0	0,240	2,15
100	1 000 × 500	5	2,5	0,250	2,70
120	1 000 × 500	4	2,0	0,240	3,20
140	1 000 × 500	3	1,5	0,210	3,75
160	1 000 × 500	3	1,5	0,240	4,85
180	1 000 × 500	2	1,0	0,180	4,60
200	1 000 × 500	2	1,0	0,200	5,40

Specification code: EPS-EN13163-T2-L3-W3-S5-P10-BS150-CS(10)100-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

Český Brod  
Place  
1.9.2023  
Date

  
SAINT-GOBAIN

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