

# Declaration of Performance

Number CZ0001-047

1	Unique identification code of the product-type:	S01 04
	Product/s:	<b>Isover TF THERMO</b>
2	Intended use or uses:	Thermal insulation for buildings (ThIB)
3	Manufacturer:	<b>Saint - Gobain Construction Product CZ a.s.</b> <b>Smrčkova 2485/4, 180 00 Prague 8 - Libeň</b> <b>Czech Republic</b> <b>IČO: 25029673, DIČ: CZ 25029673</b>
4	Authorised representative:	not relevant
5	System/s of AVCP:	System 1 System 3
6	Notified body/ies:	<b>1023</b> Institut pro testování a certifikaci a.s.
	Harmonised standard:	EN 13162:2012+A1:2015

Essential characteristics	Performance	Abbreviation	Unit	Declared performance
Reaction to fire	Reaction to fire	RtF	Euroclass	A1
Release of Dangerous Substances to the indoor environment	Release of Dangerous Substances	-	-	NPD
Acoustic absorption index	Sound absorption	-	-	NPD
	Dynamic stiffness	SDi	MN/m <sup>3</sup>	NPD
Impact Noise Transmission Index	Thickness	d <sub>t</sub>	mm	100-200
	Compressibility	c	mm	NPD
	Air flow resistivity	AF <sub>r</sub>	kPa.s/m <sup>2</sup>	NPD
Direct airborne sound insulation index	Air flow resistivity	AF <sub>r</sub>	kPa.s/m <sup>2</sup>	NPD
Continous glowing combustion	Continous glowing combustion	-	-	NPD
Thermal Resistance	Thermal Resistance	R <sub>0</sub>	m <sup>2</sup> K/W	a)
	Thermal Conductivity	λ <sub>0</sub>	W/m K	0,035
	Thickness	d <sub>th</sub>	mm	NPD
	Thickness Class	Ti	Class	T5
Water Permeability	Short term Water absorption	W <sub>p</sub>	kg/m <sup>2</sup>	1
	Long term water absorption	W <sub>lp</sub>	kg/m <sup>2</sup>	3
Water vapour diffusion resistance	Water vapour diffusion resistance	MU	-	1
Compressive strength	Compressive stress or compressive strength	CS(Y)	kPa	20
	Point Load	F <sub>p</sub>	N	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1
	Thermal Resistance	R <sub>0</sub>	m <sup>2</sup> K/W	a)
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Conductivity	λ <sub>0</sub>	W/m K	0,035
	Durability Characteristics	d	mm	NPD
	Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	Xct, Xt	mm	NPD

a) The parameter R is dependent on the thickness of the final product - see Table 2

Table 2

Thickness [mm]	Length × width [mm]	Volume per package			Quantity per pallet [m <sup>2</sup> ]	Declared thermal resistance R <sub>0</sub> [m <sup>2</sup> ·K·W <sup>-1</sup> ]
		[pcs]	[m <sup>3</sup> ]	[m <sup>2</sup> ]		
50	1 000 × 600	5	3.00	0.150	60.0	1.40
60	1 000 × 600	5	3.00	0.180	48.0	1.70
80	1 000 × 600	3	1.80	0.144	36.0	2.25
100	1 000 × 600	3	1.80	0.180	28.8	2.85
120	1 000 × 600	3	1.80	0.216	25.2	3.40
140	1 000 × 600	2	1.20	0.168	21.6	4.00
150	1 000 × 600	2	1.20	0.180	21.6	4.25
160	1 000 × 600	2	1.20	0.192	19.2	4.55
180	1 000 × 600	2	1.20	0.216	16.8	5.10
200	1 000 × 600	2	1.20	0.240	14.4	5.70
220	1 000 × 600	1	0.60	0.132	13.2	6.25
240	1 000 × 600	1	0.60	0.144	12.0	6.85
250	1 000 × 600	1	0.60	0.150	12.0	6.25
260	1 000 × 600	1	0.60	0.156	12.0	7.40
280	1 000 × 600	1	0.60	0.168	10.8	8.00
300	1 000 × 600	1	0.60	0.180	9.6	8.55

Specification code:

MW-EN 13162-T5-DS(70,90)-CS(10)20-TR7,5-WS-WL(P)-MU1

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

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