

Declaration of Performance

EN. Nr. RO-B-037-004

1. Unique identification code of the product-type is given in Table 1 :

Table 1

Product name	Product form	Code of the product type
PLU	Slab	B37
PLU ALU	Slab	B37ALU
PLU NT	Slab	B37NT

2. Intended application :

Thermal insulation for buildings (ThIB).

3. Manufacturer :

SAINT-GOBAIN CONSTRUCTION PRODUCTS ROMANIA SRL

BUCURESTI, SOS. PIPERA, NR. 43, Cladirea Floreasca Park, corp A, etaj 3, birourile 25-41, sector 2.

4. Authorised representative

Not relevant

5. System or systems of assessment and verification of constancy of performance:

System 1 and system 3.

6. a. Harmonised standard: SR EN 13162:2012 + A1:2015

Notified body AEROQ No. 1840 performed the determination of the product type, the initial inspection of the manufacturing plant and of the factory production control under system 1, the continuous surveillance, assessment and evaluation of the factory production control and issued certificate of constancy of performance for reaction to fire no. 1840-CPR-99/91/EC/0114-07.

Notified testing laboratory No.1486 performed the test reports for the other relevant declared characteristics.

7. Declared performance

Essential characteristics	Performance	Abreviation	Unit	Declared performance PLU, PLU NT	Declared performance PLU ALU
Reaction to fire	Reaction to fire	RtF	Euroclass	A1	A2-s1,d0
Release of Dangerous Substances	Release of Dangerous Substances			NPD	NPD
Acoustic absorption index	Sound absorption	α_p, α_w		NPD	NPD
Impact Noise Transmission Index	Dynamic stiffness	s'	MN/m ³	NPD	NPD
	Thickness	d_L	mm	NPD	NPD
	Compressibility	c	mm	NPD	NPD
	Air flow resistivity	AFr	kPa s/m ²	NPD	NPD
Direct airborne sound insulation index	Air flow resistivity	AFr	kPa s/m ²	NPD	NPD
Continuous glowing combustion	Continuous glowing combustion			NPD	NPD
	Thermal Resistance	R_D	m ² K/W	Table 2	Table 2

Thermal Resistance	Thermal Conductivity	λ_D	W/(m K)	0,037	0,037
	Thickness	d_N	mm	40 - 250	40 - 250
	Thickness Class	T	Class	T3	T3
Water Permeability	Short term Water absorption	W_p	kg/m ²	NPD	NPD
	Long term water absorption	W_{lp}	kg/m ²	NPD	NPD
Water vapour permeability	Water vapour transmission	μ	-	1	1
Compressive strength	Compressive stress or compressive strength	CS	kPa	NPD	NPD
	Point Load	F_p	N	NPD	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	RtF	Euroclass	A1	A2-s1,d0
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	R_D	m ² K/W	Table 2	Table 2
	Thermal Conductivity	λ_D	W/(m K)	0,037	0,037
	Thickness durability	d	mm	40 - 250	40 - 250
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	NPD	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	X_{ct}, X_t	mm	NPD	NPD

Nota :

1 – NPD = No performance declared

Table 2

Thermal Resistance R_D , depending on the thickness																
Thickness [mm]	40	50	60	70	75	80	100	120	140	150	160	180	200	220	240	250
Thermal Resistance [m ² K/W]	1.05	1.35	1.60	1.85	2.00	2.15	2.70	3.20	3.75	4.05	4.30	4.85	5.40	5.90	6.45	6.75

8. Adequate technical documentation – not relevant

Product performance identified above is in accordance with the set of declared performance.
This declaration of performance is issued in accordance with Regulation (EU) 305/2011, under the exclusive responsibility of the manufacturer identified above.

Name : Ilie Marinela

Function: Quality Manager

Place : Ploiesti

Date : 01/28/2020

Signature :


