

## Declaration of Performance

**EN. Nr. RO-B-035-007**

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

Table 1

Product name	Product form	Code of the product type
PLA, PLF, PLC, PLT	Slab	B35
PLA ALU, PLF ALU, PLC ALU	Slab	B35ALU
PLA NT, PLF NT, PLC NT, PLT NT	Slab	B35NT

2. Intended application :

Thermal insulation for buildings (ThIB).

3. Manufacturer :

**SAINT-GOBAIN CONSTRUCTION PRODUCTS ROMANIA SRL**

**București, Sector 1, One United Tower, Calea Floreasca nr. 165, Etaj 10.**

4. Authorised representative

Not revelant

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

System 1 and system 3.

6. a. Harmonised standard: 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 PLA,PLF,PLC, PLT, PLA NT, PLF NT, PLC NT,PLT NT	Declared performance PLA ALU, PLF ALU, PLC ALU
Reaction to fire	Reaction to fire	RtF	Euroclass	A1	A2-s1,d0
Realease of Dangerous Substances	Realease of Dangerous Substances			NPD	NPD
Acoustic absorption index	Sound absorption	$\alpha_p, \alpha_w$		NPD	NPD
I Impact Noise Transmission Index	Dynamic stiffness	$s'$	MN/m <sup>3</sup>	NPD	NPD
	Thickness	$d_L$	mm	NPD	NPD
	Compressibility	c	mm	NPD	NPD
	Air flow resistivity	AFr	kPa s/m <sup>2</sup>	NPD	NPD

Direct airborne sound insulation index	Air flow resistivity	AFr	kPa s/m <sup>2</sup>	NPD	NPD
Continuous glowing combustion	Continuous glowing combustion			NPD	NPD
Thermal Resistance	Thermal Resistance	R <sub>D</sub>	m <sup>2</sup> K/W	Table 2	Table 2
	Thermal Conductivity	λ <sub>D</sub>	W/(m K)	0,035	0,035
	Thickness	d <sub>N</sub>	mm	40 - 120	40 - 250
	Thickness Class	T	Class	T3	T3
Water Permeability	Short term Water absorption	W <sub>p</sub>	kg/m <sup>2</sup>	NPD	NPD
	Long term water absorption	W <sub>lp</sub>	kg/m <sup>2</sup>	NPD	NPD
Water vapour permeability	Water vapour transmission	μ	-	1	-
Compressive strength	Compressive stress or compressive strength	CS	kPa	NPD	NPD
	Point Load	F <sub>p</sub>	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 <sub>D</sub>	m <sup>2</sup> K/W	Table 2	Table 2
	Thermal Conductivity	λ <sub>D</sub>	W/(m K)	0,035	0,035
	Thickness durability			NPD	NPD
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR	kPa	NPD	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Compressive creep	X <sub>ct</sub> , X <sub>t</sub>	mm	NPD	NPD

Nota :

1 – NPD = No performance declared

**Table 2**

Thermal Resistance R <sub>D</sub> , depending on the thickness														
Thickness [mm]	40	50	60	80	100	120	140	150	160	180	200	220	240	250
Thermal Resistance [m <sup>2</sup> K/W]	1.10	1.40	1.70	2.25	2.85	3.40	4.00	4.25	4.55	5.10	5.70	6.25	6.85	7.10

#### 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 : 04/08/2022

Signature :

