

## DECLARATION OF PERFORMANCE

DoP n° : Sitek\_DoP\_02\_EPB 412 S

1. Unique identification code of the product-type:

**EPB 412 S**

2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):

**EPB 412 S** (see product label)

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

**Thermal insulation for buildings (ThB)**

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

**Sitek Insulation S.A.S.U.  
Route de Lauterbourg  
CS 90148  
67163 Wissembourg Cedex  
France**

5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):

**Not applicable**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

**AVCP system 1 for reaction to fire  
AVCP system 3 for the other characteristics**

7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

**ACERMI (Notified Product Certification Body n°1163) carried out a determination of the product-type on the basis of type testing; initial inspection of the manufacturing plant and the factory production control; a continuous surveillance, assessment and evaluation of factory production control, according to the system 1 for the reaction to fire. A certificate of constancy of performances was issued by ACERMI.**

**LNE (Notified Testing Laboratory n°0071) carried out a determination of the product-type on the basis of the type testing, according to the system 3 for the other characteristics. The consequent test reports were issued by LNE**

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:

**Not applicable**

## 9. Declared performance

Essential characteristics		Performance	Harmonised technical specifications
		<b>EPB 412 S</b>	
Reaction to fire	Reaction to fire	C-s1,d0 (perlite face) ; NPD (bitumen face)	EN 13169:2012 +A1:2015
Release of dangerous substances to the indoor environment	Release of dangerous substances	(a)	
Continuous glowing combustion	Continuous glowing combustion	(b)	
Thermal resistance	Thermal resistance - thermal conductivity	$R_D = 0,40$ to $2,40$ m <sup>2</sup> .K/W (Thickness from 20 to 120mm) $\lambda_D = 0,050$ W/m.K	
	Thickness	$d_N \leq 35$ mm : $\pm 1$ mm ; $35 < d_N \leq 70$ mm : $\pm 2$ mm ; $70 < d_N \leq 120$ mm : $\pm 3$ mm ;	
Water permeability	Short term water absorption by total immersion	WS(T)4	
Water vapour permeability	Water vapour transmission	NPD	
Compressive strength	Compressive stress or compressive strength	CS(10/Y)200	
	Deformation under specified load and temperature	DLT(3)5	
	Point load	PL(2)1400	
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	(c)	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance - thermal conductivity	(d)	
	Durability characteristics	(e)	
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)	
Tensile/Flexural strength	Tensile strength perpendicular to faces	TR	
	Bending strength	BS	
Durability of compressive strength against ageing/degradation	Compressive creep	NPD	

- (a) : Thermal insulation products must not release regulated dangerous substances above the allowed maximum levels specified in the European or National regulations; European test methods will be define later.
- (b) : Test method will be defined later, and, when available, the standard will be revised.
- (c) : No change for reaction to fire properties of expanded perlite board products.
- (d) : Thermal conductivity of EPB products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.
- (e) : For dimensional stability thickness only.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Benoit Morizot, Plant Manager



Wissembourg, May 10<sup>th</sup>, 2023

DoP n° : Sitek\_DoP\_02\_EPB 412 S – English – Validity started from : 10/05/2023

2/2