

## DECLARATION OF PERFORMANCE

DoP n° : **Sitek\_DoP\_04\_EPB 213 S**

1. Unique identification code of the product-type:

**EPB 213 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 213 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 (ThIB)**

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 3**

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

**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 213 S</b>   |                                     |
| Reaction to fire  | Reaction to fire  | F  | EN 13169:2012                       |
| 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                                 | $R_D = 0,20$ to $0,35 \text{ m}^2\cdot\text{K}/\text{W}$<br>(Thicknesses from 13 to 20mm)<br>$\lambda_D = 0,060 \text{ W}/\text{m}\cdot\text{K}$ |                                     |
|   | Thickness   | $d_N \leq 35\text{mm} : \pm 1\text{mm} ;$  |                                     |
| Water permeability  | Short term water absorption by partial immersion                          | NPD  |                                     |
| Water vapour permeability   | Water vapour transmission   | NPD  |                                     |
| Compressive strength  | Compressive stress or compressive strength                                | CS(10/Y)300  |                                     |
|   | Deformation under specified load and temperature                          | NPD  |                                     |
|   | Ponit load  | PL(2)1800  |                                     |
| 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                                   | NPD  |                                     |
|   | 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:

Denis Brunet, Plant Manager

Wissembourg, April 1<sup>st</sup>, 2015