

- 1) Unique identification code of the product-type: **ISOLAIR MULTI**  
2) Intended use/es: **Thermal Insulation Building**  
**Rigid underlay for discontinuous roofing**  
3) Manufacturer: **PAVAFRANCE - Route Jean-Charles Pellerin - FR-88190 Golbey**  
4) Authorised representative: ---  
5) System/s of AVCP: **3**  
6) Harmonised standard: **EN 13171:2012+A1:2015** **EN 14964:2006**  
Notified body/ies: **0672**  
7) Declared performance/s:

| Essential characteristics (f)                                                            |                                                                             | Test standard                              | Performance<br>30-200 mm                                            |                                          |                                                                          | Harmonised standard   |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------|-----------------------|
| Thermal resistance                                                                       | Thermal conductivity and Thermal resistance                                 | EN 12667                                   | $\lambda_D$ W/(m.K)<br><b>0,044</b><br><b>0,043</b><br><b>0,041</b> | $d_N$ mm<br>30-35<br>40-80<br>100-200    | $R_D$ m².K/W<br><b>0,65-0,75</b><br><b>0,90-1,85</b><br><b>2,40-4,85</b> | EN 13171:2012+A1:2015 |
|                                                                                          | Thickness                                                                   | EN 823                                     | <b>T5</b>                                                           |                                          |                                                                          |                       |
|                                                                                          | Reaction to fire                                                            | EN 13501-1                                 | <b>E</b>                                                            |                                          |                                                                          |                       |
|                                                                                          | Durability of reaction to fire against heat, weathering, ageing/degradation | Durability characteristics (a)             | EN 13501-1                                                          | <b>E</b>                                 |                                                                          |                       |
| Durability Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance and thermal conductivity (b)                             | EN 12667                                   | $\lambda_D$ W/(m.K)<br><b>0,044</b><br><b>0,043</b><br><b>0,041</b> | $d_N$ mm<br>30-35<br>40-80<br>100-200    | $R_D$ m².K/W<br><b>0,65-0,75</b><br><b>0,90-1,85</b><br><b>2,40-4,85</b> |                       |
|                                                                                          | Durability characteristics (c)                                              | ---                                        | <b>NPD</b>                                                          |                                          |                                                                          |                       |
|                                                                                          | Dimensional stability                                                       | EN 1604                                    | <b>DS(70,-)2</b><br><b>DS(70,90)3</b>                               | 30-35 mm ; 100-200 mm<br>40-80 mm        |                                                                          |                       |
|                                                                                          | Compressive strength                                                        | Compressive stress or compressive strength | EN 826                                                              | <b>CS(10\Y)200</b><br><b>CS(10\Y)100</b> | 30-35 mm<br>40-200 mm                                                    |                       |
| Point load                                                                               |                                                                             | EN 12430                                   | <b>NPD</b>                                                          |                                          |                                                                          |                       |
| Tensile/Flexural strength                                                                | Tensile strength perpendicular to faces (d)                                 | EN 1607                                    | <b>TR30</b><br><b>TR10</b>                                          | 30-35 mm<br>40-200 mm                    |                                                                          |                       |
|                                                                                          | Tensile strength parallel to faces (d)                                      | EN 1608                                    | <b>NPD</b>                                                          |                                          |                                                                          |                       |
| Durability of compressive strength against ageing/degradation                            | Compressive creep                                                           | EN 1606                                    | <b>NPD</b>                                                          |                                          |                                                                          |                       |
| Water permeability                                                                       | Short term water absorption                                                 | EN ISO 29767                               | <b>WS1,0</b>                                                        |                                          |                                                                          |                       |
| Water vapour permeability                                                                | Water vapour transmission                                                   | EN 12086                                   | <b>MU3</b>                                                          | 30-35 mm ; 100-200 mm                    |                                                                          |                       |
|                                                                                          |                                                                             |                                            | <b>MU4</b>                                                          | 40-80 mm                                 |                                                                          |                       |
| Impact noise transmission index (for floors)                                             | Dynamic stiffness                                                           | EN 29052-1                                 | <b>NPD</b>                                                          |                                          |                                                                          |                       |
|                                                                                          | Thickness                                                                   | EN 12431                                   | <b>NPD</b>                                                          |                                          |                                                                          |                       |
|                                                                                          | Compressibility                                                             | EN 1991-1-1                                | <b>NPD</b>                                                          |                                          |                                                                          |                       |
|                                                                                          | Air flow resistivity                                                        | EN 29053                                   | <b>AFr150</b><br><b>AFr60</b>                                       | 30-35 mm<br>40-200 mm                    |                                                                          |                       |
| Acoustic absorption index                                                                | Sound absorption                                                            | EN ISO 354                                 | <b>NPD</b>                                                          |                                          |                                                                          |                       |
| Direct airborne sound insulation index                                                   | Air flow resistivity                                                        | EN 29053                                   | <b>AFr150</b><br><b>AFr60</b>                                       | 30-35 mm<br>40-200 mm                    |                                                                          |                       |
|                                                                                          |                                                                             |                                            |                                                                     |                                          |                                                                          |                       |
| Release of dangerous substances to the indoor environment                                | Release of dangerous substances (e)                                         | ---                                        | <b>NPD</b>                                                          |                                          |                                                                          |                       |
| Continuous glowing combustion                                                            | Continuous glowing combustion (e)                                           | ---                                        | <b>NPD</b>                                                          |                                          |                                                                          |                       |

NPD = No performance determined

(a) No change in reaction to fire properties for WF products.

(b) Thermal conductivity of WF 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.

(c) For dimensional stability thickness only.

(d) This characteristic also covers handling and installation.

(e) European test methods are under development.

(f) Also valid and applicable for multilayers.

## DECLARATION OF PERFORMANCE

N° INSEU0039.b

Insulation panel for external use as a non-structural component type SB.E (EN 622-4): 30-80 mm

| Essential characteristics (f) |                          | Test standard                | Performance 30-80 mm                                                                                     | Harmonised standard |
|-------------------------------|--------------------------|------------------------------|----------------------------------------------------------------------------------------------------------|---------------------|
| Dimensional variation         |                          | EN 324-1<br>EN 324-2         | Type IL                                                                                                  | EN 14964:2006       |
| Mechanical resistance         | Bending strength         | EN 622-4                     | ≥ 0,9 MPa 30-35 mm<br>≥ 0,4 MPa 40-80 mm                                                                 |                     |
| Reaction to fire              |                          | EN 13501-1                   | E                                                                                                        |                     |
| Water impermeability          |                          | EN 12467                     | Pass                                                                                                     |                     |
| Water vapour permeability     |                          | EN 12524                     | MU3 30-35 mm<br>MU4 40-80 mm                                                                             |                     |
| Durability                    | Swelling in thickness 2h | EN 622-4                     | < 6%                                                                                                     |                     |
| Thermal resistance            |                          | EN 12667                     | $\lambda_D$ W/(m.K) $d_N$ mm $R_D$ m <sup>2</sup> .K/W<br>0,044 30-35 0,65-0,75<br>0,043 40-80 0,90-1,85 |                     |
| Airborne sound insulation     |                          | EN ISO 143-3<br>EN ISO 717-1 | NPD                                                                                                      |                     |

NPD = performance non déterminée

(f) Also applicable and valid for multilayers.

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

Signed for and on behalf of the manufacturer by: **Bruno GERTSCH, Operational Director for eco-sourced insulation**

at : **Strasbourg**

on : **27.05.2022**



INSEU0039.b / EN