

# DECLARATION OF PERFORMANCE

## SI-FS103025I1010-005



|  |   |
|--|---|
| 1. Unique identification code of the product-type:   | <b>FI BRANxps 300-I</b>   |
| 2. Type, batch or serial number:   | FS103025I1010   |
| 3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification as foreseen by the manufacturer: | Thermal Insulation for Buildings (THiB)<br><br>XPS-EN 13164-T1-CS(10Y)250-DS(70,90)-DLT(2)5-TR400-WL(T)0,7-WD(V)3-FTCD1-MJ150 |
| 4. Name and contact address of the manufacturer  | <b>FI BRAN d.o.o. Novo mesto</b><br>Ko evarjeva ulica 1<br>SI-8000 Novo mesto, Slovenija<br><b>www.fibran.si</b>              |
| 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. Name and identification number of notified body   | FIW No 751  |

| 9. Essential characteristic - (EN13164:2012+ A1:2015)                         | Symbol   | Performance              |                |
|---|--|--------------------------|----------------|
| nominal width   | bN [mm]  | <b>600</b>               |                |
| nominal length  | lN [mm]  | <b>1250</b>              |                |
| thickness   | dN [mm]  | <b>30</b>                |                |
| Dimensional tolerances  | T  | <b>1</b>                 |                |
| Compressive strength  | CS(10Y) [kPa]  | <b>250</b>               |                |
| Tensile strength perpendicular to faces                                       | TR [kPa]   | <b>400</b>               |                |
| Reaction to fire  | Euro-class   | <b>E</b>                 |                |
| Continuous glowing combustion   |  | <b>NPD</b>               |                |
| Acoustic absorption index   |  | <b>NPD</b>               |                |
| water permeability  | long term water absorption by total immersion                              | WL(T) [vol.%]            | <b>0,7</b>     |
|   | long term water absorption by diffusion                                    | WD(V) [vol.%]            | <b>3</b>       |
| Water vapor transmission  | water vapor diffusion resistance factor                                    | MJ                       | <b>150</b>     |
| Durability of compressive strength against ageing/degradation                 | compressive creep  | CC (2/1,5/50) [kPa]      | <b>NPD</b>     |
| Durability of thermal resistance against heat, weathering, ageing/degradation | declared thermal conductivity Lambda                                       | D [W/m.K]                | <b>0,032</b>   |
|   | declared thermal resistance  | RD [m <sup>2</sup> .K/W] | <b>0,90</b>    |
|   | freeze-thaw resistance after long term water diffusion test                | FTCD                     | <b>1</b>       |
|   | freeze/thaw resistance after long term water absorption by total immersion | FTCI                     | <b>NPD</b>     |
|   | dimensional stability under specified temperature and humidity conditions  | DS                       | <b>(70,90)</b> |
|   | Deformation under specified compressive load and temperature conditions    | DLT                      | <b>(2)5</b>    |
| dangerous substances  | Release of dangerous substances to the indoor environment                  | GWP<5; ODP 0; HFC free   |                |
| durability of reaction to fire against heat, weathering, ageing/degradation   | The reaction to fire performance of XPS does not change with time.         |                          |                |

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<br>Novo mesto, 17.05.2022 | Jure Lovšin<br>Product Manager |
| HBCD free   |                                |
| 'NPD' (No Performance Determined)   |                                |