

DECLARATION OF PERFORMANCE

SI-FS114050LL1010-007



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| 1. Unique identification code of the product-type: | FIBRANxps 500-L |
| 2. Type, batch or serial number: | FS114050LL1010 |
| 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) XPS-EN13164-T1-CS(10Y)500-DS(70,90)-DLT(2)5-TR400-CC(2/1,5/50)180-WL(T)0,7-WD(V)1-FTCD1-MJ50 |
| 4. Name and contact address of the manufacturer | FIBRAN d.o.o. Novo mesto Ko evarjeva ulica 1 SI-8000 Novo mesto, Slovenija www.fibran.si |
| 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 | NB 0751 (FIW) |

| 9. Essential characteristic - (EN13164:2012+A1:2015) | | Symbol | Performance |
|---|--|--------------------------|----------------|
| nominal width | | bN [mm] | 600 |
| nominal length | | lN [mm] | 1250 |
| thickness | | dN [mm] | 140 |
| Dimensional tolerances | | T | 1 |
| Compressive strength | | CS(10Y) [kPa] | 500 |
| Tensile strength perpendicular to faces | | TR [kPa] | 400 |
| Reaction to fire | | Euro-class | E |
| Continuous glowing combustion | | | NPD |
| Acoustic absorption index | | | NPD |
| water permeability | long term water absorption by total immersion | WL(T) [vol.%] | 0,7 |
| | long term water absorption by diffusion | WD(V) [vol.%] | 1 |
| Water vapor transmission | water vapor diffusion resistance factor | MJ | 50 |
| Durability of compressive strength against ageing/degradation | compressive creep | CC (2/1,5/50) [kPa] | 180 |
| Durability of thermal resistance against heat, weathering, ageing/degradation | declared thermal conductivity Lambda | D [W/m.K] | 0,036 |
| | declared thermal resistance | RD [m ² .K/W] | 3,85 |
| | freeze-thaw resistance after long term water diffusion test | FTCD | 1 |
| | freeze/thaw resistance after long term water absorption by total immersion | FTCI | NPD |
| | dimensional stability under specified temperature and humidity conditions | DS | (70,90) |
| | Deformation under specified compressive load and temperature conditions | DLT | (2)5 |
| 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.

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| Signed for and on behalf of the manufacturer by Novo mesto, 1. 11. 2024 | Matej Lesar Research & Development  |
| HBCD free | |
| 'NPD' (No Performance Determined) | |