

# Declaration of Performance



## DoP Number

- 1 Unique identification code of the product-type **EN-1023-005**
- 2 Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR **FIBRANxps 500**  
**500 60 - 100**
- 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**  
**XPS-EN 13164-T1-CS(10Y)500-DS(TH)-WL(T)0,7-WD(V)3**
- 4 Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5) **FIBRAN Bulgaria S.A.**  
**100 Tutrakan Blvd., Ruse, Bulgaria**
- 5 Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2) **not relevant**
- 6 System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V. **AVCP - System 3**
- 7 In case of the declaration of performance concerning a construction product covered by a harmonised standard (Name and identification number of the notified body, if relevant). **FIW No. 0751**

Harmonised standard

**EN 13164:2012 +A1:2015**

## 8 Declared performance

Essential characteristics	Performance	Unit	Declared performance
Thermal Resistance	Thickness	$d_N$ [mm]	60 - 100
	Thickness Class	T	T1
	Thermal Resistance	$R_D$ [ $m^2 K/W$ ]	see below table
	Thermal Conductivity	$\lambda_D$ [ $W/m K$ ]	0,035
Reaction to fire	Reaction to fire	Euroclass	E
Release of Dangerous Substances	Release of Dangerous Substances		NPD
Continuous glowing combustion	Continuous glowing combustion		NPD
Water Permeability	long term water absorption by total immersion	WL(T) [vol.%]	$\leq 0,7$
	long term water absorption by diffusion	WD(V) [vol.%]	$\leq 3$
Water vapour permeability	Water vapor diffusion resistance factor	MU	150 - 50
Compressive strength	Compressive stress or compressive strength	CS(10/Y) [kPa]	500
Tensile/Flexural strength	Tensile Strength perpendicular to faces	TR [kPa]	NPD
Durability of reaction to fire against heat, weathering, ageing/degradation	Reaction to fire	Euroclass	E
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal Resistance	$R_D$ [ $m^2 K/W$ ]	see below table
	Thermal Conductivity	$\lambda_D$ [ $W/m K$ ]	0,035
	freeze-thaw resistance after long term water diffusion test	FTCD	NPD
	freeze/thaw resistance after long term water absorption by total immersion	FTCI	NPD
	dimensional stability under specified temperature and humidity conditions	DS	NPD
Durability of compressive strength against heat, weathering, ageing/degradation	Deformation under specified compressive load	DLT	NPD
	Compressive creep	CC (2/1,5/50)	NPD

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.

Thickness	60	70	80	90	100
$R_D$ [ $m^2 K/W$ ]	1,70	2,00	2,25	2,55	2,85

Name **Boris Radulov**

Function **Deputy Executive Director**

Place **Sofia, Bulgaria**

Date **01.04.2021**

Signature

This product does not contain Hexabromocyclododecane (declaration according to CPR requirement Article 6 Paragraph 5)