Declaration of Performance

DoP Number:

- 1 Unique identification code of the product-type:
- $2 \ \ \text{Identification of the construction product as required under Article 11(4) of the regulation n^{\circ} \ 305/2011/\text{EU}:}$
- 3 Intended use/es:
- 4 Manufacturer:
- 5 Systems/s of AVCP:
- 6 Harmonised standard:
- Notified bodies:

Notified Certification bodies FIW (Forschunginstitut für Wärmeschutz e.v München) N° 0751 and MPA (Materialprüfanstalt fün das Bauwesen Hannover) N° 0764 performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance for reaction to fire.

7 Declared performance:

Acoustic absorption index Sound absorption AW Impact noise transmission index Dynamic stiffness SD Impact noise transmission index Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Fremal resistance Ro Thermal resistance Thermal conductivity Apo Thickness Th Water permeability Water vapour permeability WS Long term water absorption WS Compressive strength Compressive stress CS(10) Z Z Durability of thermal resistance against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro Thermal resistance Ro SO SO SO		Declared performance	
Acoustic absorption index Sound absorption AW Impact noise transmission index Dynamic stiffness SD Impact noise transmission index Dynamic stiffness SD Direct airborne sound insulation index Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Fremal resistance Ro Thermal resistance Thermal resistance Ro Thermal conductivity Ao Water permeability Mater vapour permeability Water vapour permeability MU Z Compressive strength Compressive strength Compressive stress CS(10) Durability of thermal resistance against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro	Euroclass	F	
Impact noise transmission index Dynamic stiffness SD Impact noise transmission index Thickness dL Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion AFr Thermal resistance Rp Thermal resistance Rp Thickness dN Apr Apr Water permeability More than the subsorption WS Apr Water vapour permeability Water vapour permeability MU Z Compressive strength Compressive stress CS(10) Durability of thermal resistance against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability characteristics DS (70,		NPD	
Impact noise transmission index Thickness dt Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Fr Thermal resistance Ro Thermal resistance Ro Thermal resistance Thermal conductivity Ap Water permeability Short term water absorption WS Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Durability of thermal resistance against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro	-	NPD	
Impact noise transmission index Compressibility CP Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion AFr Thermal resistance Rp Thermal resistance Rp Thermal resistance Thermal resistance Rp Thickness dn Water permeability Water vapour permeability Water vapour transmission WL(P) Water vapour permeability Water vapour transmission CS(10) Z Compressive strength Compressive stress CS(10) Z Durability of thermal resistance against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90)	MN/m ³	33	
Air flow resistivity AFr Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Fr Thermal resistance Rp Thermal resistance Rp Thermal resistance Rp Thickness dN Thickness dN Thickness class T Short term water absorption WS Long term water absorption WL(P) Water vapour permeability MU Compressive strength Compressive stress Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Thermal resistance against heat, weathering, ageing/degradation Thermal resistance	mm	Τ7	
Direct airborne sound insulation index Air flow resistivity AFr Direct airborne sound insulation index Air flow resistivity AFr Continous glowing combustion Continous glowing combustion Image: Combustion Thermal resistance Rp Thermal resistance Rp Thermal resistance Thermal resistance Rp Thermal resistance Thermal resistance Rp Thickness Compressive stars Thickness Water vapour permeability Water vapour transmission WL(P) Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90)	mm	2	
Continous glowing combustion Continous glowing combustion Thermal resistance R _D Thermal resistance R _D Thermal resistance R _D Thermal conductivity λ _D Thickness d _N Thickness d _N Thickness d _N Thickness d _N Thickness class T Water permeability Short term water absorption WS Long term water absorption WL(P) Water vapour permeability Water vapour transmission Z Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance R _D Thermal conductivity λ _D Durability characteristics DS (70,90)	kPa.s/m²	NPD	
Thermal resistance Rp Thermal resistance Thermal conductivity λ_D Thirmal conductivity λ_D Thirmal conductivity λ_D Thirmal conductivity λ_D Thirmal resistance d_N Thirmal resistance T Water permeability Short term water absorption WS Water vapour permeability Water vapour transmission MU Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90)	kPa.s/m ²	NPD	
$\begin{array}{llllllllllllllllllllllllllllllllllll$		NPD	
$\frac{\text{Thickness}}{\text{Thickness}} \qquad \qquad$	m² K/W	see table below	
$\frac{\text{Thickness}}{\text{Thickness}} \qquad \qquad$	W/m K	0,039	
Short term water absorption WS Water permeability Long term water absorption WL(P) Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90)	mm	40-220	
Water permeability Long term water absorption WL(P) Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90)	Class	Τ7	
Long term water absorption WL(P) Water vapour permeability Water vapour transmission MU Compressive strength Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance R_D Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics DS (70,90)	kg/m ²	<1	
Water vapour permeability Water vapour transmission Z Compressive strength Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro Durability of thermal resistance against heat, weathering, ageing/degradation Durability of thermal resistance Ro	kg/m²	<3	
Compressive strength Compressive stress CS(10) Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance R_D Durability of thermal resistance against heat, weathering, ageing/degradation Durability of thermal resistance R_D Durability of thermal resistance Durability of thermal conductivity λ_D Durability characteristics DS (70,90)	-	NPD	
Compressive strength Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp Durability of thermal resistance against heat, weathering, ageing/degradation Durability characteristics Ds (70,90)	m2hPa/mg	>0,5	
Point Load PL(5) Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance R _D Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance R _D Durability characteristics DS (70,90) D	kPa	70	
ageing/degradation Reaction to Tire Reac	N	700	
Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity λ _D Durability characteristics DS (70,90)	Euroclass	F	
ageing/degradation Thermal conductivity Ap Durability characteristics DS (70,90)		see table below	
Durability characteristics DS (70,90)	W/m K	0,039	
	%	NPD	
Tensile/Flexural strength Tensile strength perpendicular to faces TR	kPa	20	
Durability of compressive strength against heat, weathering, ageing/degradation $CC(i_1/i_2/y) \sigma_c$	mm	NPD	

Thermal resistance R _D (m ² K/W) 1,00 1,25 1,50 1,75 2,05 2,30 2,55 2,80 3,05 3,30 3,55 3,80 4,10 4,60 5,10	Thickness	d _N (mm)	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
	Thermal resistance	$R_D (m^2 K/W)$	1,00	1,25	1,50	1,75	2,05	2,30	2,55	2,80	3,05	3,30		3,80	4,10	4,60	5,10

8 Suitable technical justification and/or specific technical justification:

The performance of the product identified above is in conformity with the declared values. The declaration of these values is issued, according to EU Regulation 305/2011, under the sole responsibility of the manufacturer.

Name:	Dr. Chadiarakou Stella
Function:	Quality Assurance Manager
Place:	Thessaloniki
Date:	18/4/2022
Signature:	Johum



GR-2101-005

FIBRANgeo BP-70-XA

MW-EN 13162-T7-CS(10)70-TR20-PL(5)700-WS-WL(P)-SD33-CP2

Thermal Insulation of Building

FIBRAN S.A., Terpni, 62200, Serres, Greece

AVCP - System 1 - System 3

EN 13162:2012+A1:2015