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:

Realease of dangerous substances M Density NPI Acoustic absorption index Sound absorption AW - NPI Acoustic absorption index Sound absorption AW - NPI Impact noise transmission index Compressibility CP mm NPI Construction Air flow resistivity AFr kPas/m ² NPI Direct airborne sound insulation index Air flow resistivity AFr kPas/m ² NPI Continous glowing combustion Continous glowing combustion Impression NPI Thermal resistance Rg m ² k/W See table Thermal resistance NPI W/M K 0.03 Thickness GA, mm 0.03 Thermal resistance Rg mm 0.03 Thermal resistance Rg Mater vapour transmission WL(P) kg/m ²	Essential characteristics	Performance	Abbreviation	Unit	Declared performance	
Acoustic absorption indexSound absorptionAW.NPIImpact noise transmission indexDynamic siffnessSDMN/m³NPICompressibilityCPmmNPICompressibilityCPmmNPIDirect airborne sound insulation indexAir flow resistivityAFrkPas/m²NPIDirect airborne sound insulation indexAir flow resistivityAFrkPas/m²NPIContinous glowing combustionContinous glowing combustionNPINPINPIThermal resistanceRom² K/Wsee tableThermal resistanceRom² K/Wsee tableThicknessdnmm30-3ThicknessTClass75Water permeabilityWater vapour transmissionWL(P)kg/m²<3	Reaction to fire	Reaction to fire	RtF	Euroclass	A1	
	Realease of dangerous substances	Realease of dangerous substances			NPD	
$ \frac{1}{10000000000000000000000000000000000$	Acoustic absorption index		AW	-	NPD	
Impact noise transmission indexCompressibilityCPmmNPPAir flow resistivityA.FrkPa.s/m²NPPDirect airborne sound insulation indexAir flow resistivityA.FrkPa.s/m²NPPContinous glowing combustionContinous glowing combustionRpMPPThermal resistanceRpm² K/Wsee tableThermal resistanceThermal resistanceRpW/M K0.03Thicknessd_Nmm30-33Thickness classTClass15Mater vapour permeabilityShort term water absorptionWL(P)kg/m²<1		Dynamic stiffness		MN/m ³	NPD	
$\frac{1}{\text{Air flow resistivity}} = \frac{1}{\text{Air flow resistivity}}} = \frac{1}{\text{Air flow resistivity}} = \frac{1}{\text{Air flow resistivity}}} = \frac{1}{\text{Air flow resistive}}} = \frac{1}{\text{Air flow resistive}}} = \frac{1}{\text{Air flow resistive}}} = \frac{1}{\text{Air flow resistive}} = \frac{1}{\text{Air flow resistive}}} = \frac{1}{\text{Air flow resistive}}} = \frac{1}{Air fl$		Thickness	dL	mm	NPD	
Direct airborne sound insulation index Air flow resistivity AFr kPa.s/m ² NPP Continous glowing combustion Continous glowing combustion NPP Thermal resistance R ₀ m ² K/W see table Thermal resistance R ₀ m/K 0,03 Thickness class T Class T5 Short term water absorption WS kg/m ² <1 Long term water absorption WL(P) kg/m ² <1 Long term water absorption WL(P) kg/m ² <1 Mater vapour permeability Water vapour transmission Z m2Pa/mg NPP Compressive strength Compressive strength Reaction to fire Reaction to fire Ref Euroclass A1 Durability of reaction to fire against heat, weathering, ageing/degradation Termal resistance R ₀ W/m K 0,03 Thermal resistance R ₀ MU - 1 Thermal resistance Strength Terma resistance R ₀ S NPP Thermal resistance R ₀ S S S S NPP Thermal resistance R ₀ S S S S NPP Thermal resistance S DS (7,90) % NPP Thermal conductivity A ₀ S NP M M M M M M M M M M M M M M M M M M	Impact noise transmission index	Compressibility	CP	mm	NPD	
Continous glowing combustionContinous glowing combustionRoNPIThermal resistanceRom² K/Wsee tableThermal resistanceRoM/M K0.03ThicknessdMmm30-3ThicknessTClass15Mater permeabilityShort term water absorptionWSkg/m²<1		Air flow resistivity	AFr	kPa.s/m²	NPD	
Thermal resistance Ro m ² K/W see table Thermal resistance Ro m ² K/W see table Thermal conductivity λ_0 W/m K 0,03 Thickness d_N mm 30-3 Thickness d_N mm 30-3 Thickness class T Class T5 Mater permeability Short term water absorption WS kg/m ² <1	Direct airborne sound insulation index	borne sound insulation index Air flow resistivity		kPa.s/m²	NPD	
Thermal resistanceThermal conductivity $\lambda_{\rm D}$ W/m K0.03Thicknessd_Nmm30-3Thickness classTClassT5Water permeabilityShort term water absorptionWSkg/m²<1	Continous glowing combustion	Continous glowing combustion			NPD	
$\frac{\text{Thermal resistance}}{\text{Thickness} class} & \frac{d_{N}}{\text{Th}} & \frac{mm}{30-3}$ $\frac{\text{Thickness class}}{\text{Thickness class}} & T & Class & T5$ $\frac{\text{Short term water absorption}}{\text{Log term water absorption}} & W5 & kg/m^{2} & <1$ $\frac{\text{Log term water absorption}}{\text{Log term water absorption}} & WL(P) & kg/m^{2} & <3$ $\frac{\text{MU}}{2} & -23$ $\frac{\text{MU}}{$		Thermal resistance	R _D	m² K/W	see table below	
$\frac{\text{Thickness}}{\text{Thickness class}} & \frac{d_{N}}{\text{mm}} & \frac{30-3}{30-3} \\ \frac{Thickness class}{\text{Thickness class}} & T & Class & T5 \\ \frac{Short term water absorption}{\text{Long term water absorption}} & WS & kg/m^{2} & <1 \\ \frac{Long term water absorption}{\text{Long term water absorption}} & WL(P) & kg/m^{2} & <3 \\ \frac{MU & - & 11}{Z} & m2hPa/mg & NPI \\ \frac{Compressive strength}{Dirabel (degradation)} & \frac{Compressive stress}{Point Load} & PL(5) & N & NPI \\ \frac{Compressive strength}{Durability of thermal resistance against heat, weathering, ageing/degradation} & Reaction to fire \\ \frac{Thermal resistance}{Thermal conductivity} & \frac{A_{D}}{Dotrability characteristics} & DS (70,90) & \% & NPI \\ \frac{Thermal resistance}{Durability characteristics} & TR & kPa & 10 \\ \end{array}$	r i i · .	Thermal conductivity	λ _D	W/m K	0,035	
Short term water absorption WS kg/m² <1 Nater permeability Long term water absorption WL(P) kg/m² <3	nermal resistance	Thickness		mm	30-300	
Water permeability Long term water absorption WL(P) kg/m² <3 Water vapour permeability Water vapour transmission MU - 1 Z m2hPa/mg NPI Compressive strength Compressive stress CS(10) kPa 30 Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Euroclass A1 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Ro see table Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity Ap 003 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity Ap 003 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity Ap 003 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity Ap 003 Durability characteristics DS (70,90) % NPI		Thickness class	Т	Class	T5	
Long term water absorptionWL(P)kg/m²<3Water vapour permeabilityWater vapour transmissionMU1Zm2hPa/mgNPICompressive strengthCompressive stressCS(10)kPa30Durability of reaction to fire against heat, weathering, ageing/degradationReaction to firePL(5)NNPIDurability of thermal resistance against heat, weathering, ageing/degradationThermal resistancePosee tableDurability of thermal resistance against heat, weathering, ageing/degradationThermal resistancePosee tableDurability of thermal resistance against heat, weathering, ageing/degradationThermal resistancePosee tableDurability of thermal resistance against heat, weathering, ageing/degradationThermal resistancePow/m K0.03Durability of thermal resistance against heat, weathering, ageing/degradationThermal resistanceThoW/m K0.03Durability of thermal resistance against heat, weathering, ageing/degradationThermal resistanceThoW/m K0.03Durability characteristicsDS (70,90)%NPITensile strengthTensile strength perpendicular to facesTRkPa10		Short term water absorption	WS	kg/m²	<1	
Water vapour permeability Water vapour transmission Z m2hPa/mg NPI Compressive strength Compressive stress CS(10) kPa 30 Point Load PL(5) N NPI Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Euroclass A1 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rbp see table Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rbp w/m K 0.03 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity App W/m K 0.03 Durability characteristics DS (70,90) % NPI	Water permeability	Long term water absorption	WL(P)	kg/m ²	<3	
Compressive strength Compressive stress CS(10) kPa 30 Durability of reaction to fire against heat, weathering, ageing/degradation Point Load PL(5) N NPI Durability of thermal resistance against heat, weathering, ageing/degradation Reaction to fire RtF Euroclass A1 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Po see table Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity $\lambda_{\rm D}$ W/m K 0,03 Durability characteristics DS (70,90) % NPI	Mater vaneur normaability	Water vanour transmission	MU	-	1	
Compressive strength Image: Compressive strength Image: Compressive strength PL(5) N Point Load PL(5) N NPI Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Euroclass A1 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rg_D See table Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity Ap W/m K 0,033 Durability characteristics DS (70,90) % NPI Tensile/Flexural strength Tensile strength perpendicular to faces TR KPa 10			Z	m2hPa/mg	NPD	
Point Load PL(5) N NPH Durability of reaction to fire against heat, weathering, ageing/degradation Reaction to fire RtF Euroclass A1 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp see table Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity λ_p W/m K 0.033 Durability characteristics DS (70,90) % NPH Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa 10	Comproceive strength	Compressive stress	CS(10)	kPa	30	
ageing/degradation Reaction to thre Rtr Euroclass A 1 Durability of thermal resistance against heat, weathering, ageing/degradation Thermal resistance Rp See table Durability characteristics Ds (70,90) W/m K 0,03 Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa 10		Point Load	PL(5)	Ν	NPD	
Durability of thermal resistance against heat, weathering, ageing/degradation Thermal conductivity $\lambda_{\rm D}$ W/m K 0,03 Durability characteristics DS (70,90) % NPI Tensile/Flexural strength Tensile strength perpendicular to faces TR kPa 10		Reaction to fire	RtF	Euroclass	A1	
Ageing/degradation Internal conductivity Ap W/M K 0,03 Durability characteristics DS (70,90) % NPI Fensile/Flexural strength Tensile strength perpendicular to faces TR kPa 10		Thermal resistance	R _D		see table below	
Durability characteristics DS (70,90) % NPI Fensile/Flexural strength Tensile strength perpendicular to faces TR kPa 10		Thermal conductivity	λ _D	W/m K	0,035	
		Durability characteristics	DS (70,90)	%	NPD	
Surphility of comproceing strong the paping host workering	ensile/Flexural strength	Tensile strength perpendicular to faces	TR	kPa	10	
$\frac{1}{10000000000000000000000000000000000$	Durability of compressive strength against heat, weathering, igeing/degradation	Compressive creep	CC(i ₁ /i ₂ /y) σ _c	mm	NPD	

Thickness d ₁	d _N (mm)	30	40	50	60	70	80	90	100	110	120	130	140	150	160	180	200
Thermal resistance R _t	R _D (m ² K/W)	0,85	1,10	1,40	1,70	2,00	2,25	2,55	2,85	3,10	3,40	3,70	4,00	4,25	4,55	5,10	5,70

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-2246-005

FIBRANgeo CORE BP-30plus

MW-EN 13162-T5-CS(10)30-TR10-WS-WL(P)-MU1

Thermal Insulation of Building

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

AVCP - System 1 - System 3

EN 13162:2012+A1:2015