

**Declaration of Performance 001/2021**

**According to the 4th article of regulation of the European Parliament and Commite 305/2011/Eu**

1	Identification code of the product type	FibroStir XPS				
	Type G/SV	20 – 30 mm	XPS-EN 13164-T2-DS(70,90)-DLT(1)5-CS(10\Y)200-WL(T)1,5WD(V)3-FTCD2			
	Type P/SV	50 – 120 mm	XPS-EN 13164-T1-DS(70,90)-DLT(1)5-CS(10\Y)300-WL(T)0,7 WD(V)3-FTCD2			
	Type P/BT	50 – 160 mm	XPS-EN 13164-T1-DS(70,90)-DLT(1)5-CS(10\Y)300-WL(T)0,7 WD(V)3-FTCD2			
	Type P/BT	170 – 220 mm	XPS-EN 13164-T1-DS(70,90)-DLT(1)5-CS(10\Y)300-WL(T)0,7 WD(V)2-FTCD2			
	Type G/SV	40 – 120 mm	XPS-EN 13164-T2-DS(70,90)-DLT(1)5-CS(10\Y)300-WL(T)1,5 WD(V)3-FTCD2			
	Type G/BT	50 – 160 mm	XPS-EN 13164-T2-DS(70,90)-DLT(1)5-CS(10\Y)300-WL(T)1,5 WD(V)3-FTCD2			
	Type G/BT	170 -220 mm	XPS-EN 13164-T1-DS(70,90)-DLT(1)5-CS(10\Y)300-WL(T)0,7 WD(V)2-FTCD2			
2	Function	XPS extruded polystyrene board for the insulation of buildings. Additional information: Insulation of buildings according to the regulating and restricting technical standars (legislations) of building- in, usability and applicability.				
3	Name and adress of the manufacturer	Fibrotermica Hungary Kft, Kűlterület Hrsz.:0226/14 H- 8454 Nyirád e-mail: fibrotermica@fibrotermica.hu				
4	Name and adress of the authorized representative	same as point 4				
5	The institute checking and evalueting the stability of performance	The regulation of the European Parliament and Commite 305/2011/EU, V. appendix, 3 system				
6	Name and identification number of the official institute	OFI AT 1030 Wien				NR.: 1085
7	Declaration of Performance According to the European Technical Rating	Not applied				
8	Performance according to the declaration					
	Basic characteristics	Performance		Harmonized technical standars		
	Thickness tolerance - PBT,PSV	T1		EN 13164/EN 823		
	G/BT,G/SV	T2		EN 13164/EN 823		
	Thermal Conductivity					
	- Thermal resistance RD	RD see produkt label		EN 13164/EN 12667		
	- Reported value λD	λD= 0,034 W/(mK), 20 < 40 mm		EN 13164/EN 12667		
		λD= 0,035 W/(mK), 50 < 220 mm		EN 13164/EN 12667		
	Compressive strenght	20 - 30 mm	CS(10\Y) 200; ≥ 200 kPa = 20 t/m <sup>2</sup>		EN 13164/EN 826	
		40 - 220 mm	CS(10\Y) 300; ≥ 300 kPa = 30 t/m <sup>2</sup>		EN 13164/EN 826	
	Dimensional stability under specified temperature and humidity conditions	DS(70,90)		EN 13164		
	Tensile strenght perpendicular to faces	TR 200				
	Long term water absortion PBT,PSV,	WL(T) 0,7		EN 13164/EN 12087		
	GBT,GSV	WL(T) 1,5		EN 13164/EN12087		
	Water vapour transmission	WD(V)3 < 170 mm		EN 13164/EN 12088		
		WD(V)2 ≥ 170 mm				
	Deformation under specified compressive load and temperature conditions	DLT(1)5		EN 13164/EN1605		
	Freeze- thaw resistance after long term water absorption by total immersion	FTCD 2		EN 13164/EN12091		
	Fire classification	E		EN 13501-1		
	Creep behavior	CC(2/1,5/50)		130 kPa = 13 t/m <sup>2</sup>		
9	The performance of the product defined in point 1. and 2. complies with the declared performance (point 9.). Only the manufacturer indicated in point 4. is responsible for issuing the declaration of performance. The product does not contain HBCD according to the modified EU Regulation 1436/2011/EU.					
	Thickness /mm	RD /(m2K/W)	Thickness /mm	RD /(m2K/W)	Thickness /mm	RD /(m2K/W)
	20	0,55	70	2,00	150	4,25
	30	0,85	80	2,25	160	4,55
	40	1,15	100	2,85	170	4,85
	50	1,4	120	3,4	180	5,1
	60	1,70	140	4,00	200	5,7
					220	6,2

Nyirád 01.01.2021