

1	Unique identification code of the product type:	Polyfoam™ Extra
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:	See product label
3	Intended use or uses of the construction product, in accordance with the applicable harmonised technical foreseen by the manufacturer:	Thermal Insulation Board (ThIB) EN 13164:2012+a1:2015
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5):	Polyfoam XPS Ltd, Hunter House Industrial Estate, Hartlepool, TS25 2BE
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):	Not applicable
6	System or systems of assessment and verification of constancy of performance of the construction as set out in Annex V:	System 4 for Reaction to Fire and System 3 for all other characteristics
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard:	EN 13164:2012+a1:2015
8	In case of the declaration of performance covering a construction product for which European Technical Assessment has been issued:	Not applicable
9	Declared Performances (EN 13164 - ZA1)	

Essential Characteristics	X4210BPCPR					
	Performance	Product Thickness (mm)		Polyfoam Result	Notified Test Laboratory Number	Harmonised Technical Standard
Thermal Resistance	Thermal Resistance	15-245	R	See product label and thermal resistance table below	0836	BS EN 12667
	Thermal Conductivity (W/mK)	15-245	λ_d	0.033 W/mK	0836	BS EN 12939
	Thickness Tolerance	<50 50≤dn≤120 >120	T1 T1 T1	-2mm / +2mm -2mm / +3mm -2mm / +6mm		BS EN 822
Reaction to Fire	Reaction to Fire	15-245	RTF	F	0833	BS EN 13501-1
Continuous glowing combustion	Continuous glowing combustion	15-245	-	NPD		European test methods are under development
Tensile / Flexural Strength	Tensile strength perpendicular faces	15-245	TR	NPD		-
Compressive Strength	Compressive stress / compressive strength	15-245	CS(10/Y)	≥300kPa	0836	BS EN 826

Essential Characteristics	X4210BPCPR					
	Performance	Product Thickness (mm)	Polyfoam Result		Notified Test Laboratory Number	Harmonised Technical Standard
Durability of compressive strength against ageing / degradation	Compressive creep	15-245	CC(2/1.5/50)	CC(2/1.5/50)77	0836	BS EN 1606
	Thermal Resistance	15-245	R	See thermal resistance table below	0836	BS EN 12667
	Thermal Conductivity	15-245	λ_d	0.033 W/mK	0836	BS EN 12939
Durability of thermal resistance against heat, weathering, ageing / degradation	Freeze Thaw Resistance after Long Term Water Diffusion Test	15-245	FTCD1	≤ 1.0% vol		BS EN 12091
	Freeze Thaw Resistance after Long Term Water Absorption by Total Immersion	15-245	FTCI	NPD		-
Durability characteristics	Dimensional Stability	15-245	DS	DS(70, 90)	0836	BS EN 1604
	Deformation under specified compressive load and temperature conditions	15-245	DLT	DLT(2)5	0836	BS EN 1605
Water permeability	Long Term Water Absorption by Immersion (% vol)	15-245	WL(T)	0.7	0836	BS EN 12087
	Long Term Water Absorption by Diffusion (% vol)	15-245	WD(V)	1	0836	BS EN 12088
Water vapour permeability	Water vapour transmission	15-245	MU	NPD		-
Release of dangerous substances to the indoor environment	Release of dangerous substances	15-245	-	NPD		European test methods are under development

NPD - No performance determined

10 The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. The declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Thermal Resistances	
Thickness	Thermal Resistance (m ² K/W)
15	0.45
20	0.60
25	0.75
35	1.05
50	1.50
60	1.80
65	1.95
70	2.10
75	2.25
80	2.40
100	3.00
125	3.75
130	3.90
150	4.50
160	4.80
180	5.45
200	6.05
220	6.65
230	6.95
245	7.40

Other thicknesses in the range may be available, if not listed please use the following calculation.

Thickness in m / thermal conductivity = Thermal Resistance (rounded down to nearest 0.05 m²K/W as per BS EN 13164:2021+a1:2015)

Signed for and on behalf of the manufacturer by: Stuart Bell - Managing Director (Name and Function)

Hartlepool - 13th August 2021
(Place and date of issue)

Signature

S. Bell.