

1	Unique identification code of the product type:	Polyfoam™ Laminating Board
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)	

X4210CPCR					
Essential Characteristics	Performance	Product Thickness(mm)	Polyfoam Result		Harmonised Technical Standard
Thermal Resistance	Thermal Resistance	15-245	R	See thermal resistance table below	BS EN 12667
	Thermal Conductivity (W/mK)	15-245	$\lambda_d$	0.033 W/mK	BS EN 12939
	Thickness Tolerance	15-245	T3	-1mm / +1mm	BS EN 822
Reaction to Fire	Reaction to Fire	15-245	RTF	F	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)	≥200kPa	BS EN 826
Durability of compressive strength against ageing / degradation	Compressive creep	15-245	CC(2/1.5/50)	NPD	BS EN 1606

Essential Characteristics	X4210CPCPR				
	Performance	Product Thickness(mm)		Polyfoam Result	Harmonised Technical Standard
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	15-245	R	See product label and thermal resistance table below	BS EN 12667
	Thermal Conductivity	15-245	$\lambda_d$	0.033 W/mK	BS EN 12939
	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)	BS EN 1604
	Deformation under specified compressive load and temperature conditions	15-245	DLT	DLT(2)5	BS EN 1605
Water permeability	Long Term Water Absorption by Immersion (% vol)	15-245	WL(T)	0.7	BS EN 12087
	Long Term Water Absorption by Diffusion (% vol)	15-245	WD(V)	1	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 <sup>2</sup> K/W)
15	0.45
17.5	0.50
20	0.60
25	0.75
30	0.90
35	1.05
40	1.20
45	1.35
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 m<sup>2</sup>K/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

