PolyFoam™ XPS

Declaration of Performance

1	Unique identification code of the product type:	Polyfoam™ Super
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:	AVCP System 4
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	**X42065BPCPR**				
	Performance	Product Thickness (mm)	Polyfoam Result		Harmonised Technical Standard
Thermal Resistance	Thermal Resistance	50 - 250	R	See Product label	BS EN 12667
	Thermal Conductivity (W/mK)	50 - 60 65 - 100 >100 - 250	λ_d λ_d λ_d	0.034 W/mK 0.036 W/mK 0.038 W/mK	BS EN 12939
	Thickness Tolerance	20 ≤ dn ≤ 50 50 ≤ dn ≤ 120 120 ≤ dn ≤ 250	T1 T1 T1	-2mm / +2mm -2mm / +3mm -2mm / +8mm	BS EN 822
Reaction to Fire	Reaction to Fire	50 - 250	RTF	E	BS EN 13501-1
Continuous glowing combustion	Continuous glowing combustion	50 - 250	-	NPD	European test methods are under development
Tensile / Flexural Strength	Tensile strength perpendicular faces	50 - 250	TR	≥200kPa	-
Compressive Strength	Compressive stress / compressive strength	50 - 250	CS(10/Y)	≥500kPa	BS EN 826
Durability of compressive strength against ageing / degradation	Compressive creep	50 - 250	CC(2/1.5/50)	CC(2/1.5/50)175	BS EN 1606

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PolyFoam™ XPS

Declaration of Performance

POL1016DAT - V1118

Essential Characteristics	X42065BPCPR				
	Performance	Product Thickness(mm)	Polyfoam Result		Harmonised Technical Standard
Durability of thermal resistance against heat, weathering, ageing / degradation	Thermal Resistance	50 - 250	R	See Product label	BS EN 12667
	Thermal Conductivity	50 - 60 65 - 100 >100 - 250	λ_d λ_d λ_d	0.034 W/mK 0.036 W/mK 0.038 W/mK	BS EN 12939
	Freeze Thaw Resistance after Long Term Water Diffusion Test	50 - 250	FTCD1	≤ 1.0% vol	BS EN 12091
Durability characteristics	Dimensional Stability	50 - 250	DS	NPD	BS EN 1604
	Deformation under specified compressive load and temperature conditions	50 - 250	DLT	NPD	BS EN 1605
Water permeability	Long Term Water Absorption by Immersion (% vol)	50 - 250	WL(T)	≤ 0.7% vol	BS EN 12087
	Long Term Water Absorption by Diffusion (% vol)	50 - 250	WL(V)	≤ 3% vol	BS EN 12088
Water vapour permeability	Water vapour transmission	50 - 250	MU	NPD	-
Release of dangerous substances to the indoor environment	Release of dangerous substances	50 - 250	-	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.

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

Hartlepool - 1st October 2018
(Place and date of issue)

Signature S. Bell.

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