

Declaration of Performance

N° INSEU0040.a

- 1) Unique identification code of the product-type: Warmshell Woodfibre Boards
- 2) Intended use: Thermal insulation for buildings
- 3) Manufacturer: Lime Green Products Ltd, Coates Kilns, Stretton Road, Much Wenlock, Shropshire TF13 6DG
- 4) System/s of AVCP: 3
- 5) Harmonised standard: EN 13171:2012+A1:2015
Notified body: 0672
- 6) Declared performance:

Essential characteristics (f)		Test Standard	Performance		Harmonised standard
			40-60 mm	80-240 mm	
Thermal resistance	Thermal conductivity	EN 12667	0,043 W/(m.K)	0,040 W/(m.K)	EN 13171:2012+A1:2015
	Thickness	EN 823	T5		
Reaction to fire	Reaction to fire	EN 13501-1	E		
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	EN 13501-1	E		
	Thermal resistance and thermal conductivity	EN 12667	0,043 W/(m.K)	0,040 W/(m.K)	
Durability Durability of thermal resistance against heat, weathering, ageing/degradation	Durability characteristics	---	NPD		
	Dimensional stability	EN 1604	DS(70,90)3	DS(70,-)2	
Compressive strength	Compressive stress or compressive strength	EN 826	CS(10\Y)100	CS(10\Y)70	
	Point load	EN 12430	NPD		
Tensile/Flexural strength	Tensile strength perpendicular to faces (d)	EN 1607	TR10		
	Tensile strength parallel to faces (d)	EN 1608	NPD		
Durability of compressive strength against ageing/degradation	Compressive creep	EN 1606	NPD		
Water permeability	Short term water absorption	EN ISO 29767	WS1,0		
Water vapour permeability	Water vapour transmission	EN 12086	MU4	MU3	
Impact noise transmission index (for floors)	Dynamic stiffness	EN 29052-1	NPD		
	Thickness	EN 12431	NPD		
	Compressibility	EN 1991-1-1	NPD		
	Air flow resistivity	EN 29053	AFr60	AFr50	
Acoustic absorption index	Sound absorption	EN 354	NPD		
Direct airborne sound insulation index	Air flow resistivity	EN 29053	AFr60	AFr50	
Release of dangerous substances to the indoor environment	Release of dangerous substances	---	NPD		
Continuous glowing combustion	Continuous glowing combustion	---	NPD		

NPD = No performance determined

(a) No change in reaction to fire properties for WF products.

(b) Thermal conductivity of WF products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

(c) For dimensional stability thickness only.

(d) This characteristic also covers handling and installation.

(e) European test methods are under development.

(f) Also valid and applicable for multilayers.

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above

Signed for and on behalf of the manufacturer by: James Ayres, Director
on: 3/3/2023