Jacksons Fencing

JAKOUSTIC® COMMERCIAL / HIGHWAYS BARRIERS

Declaration of Performance

1	**Product Type**	Road Traffic Noise Reducing Barriers according to BS EN 14388:2005
2	**Product Description**	As described in Annex A
3	**Intended use**	Acoustic Barriers to reduce noise along highways and traffice routes (for use in circulation areas)
4	**Manufacturer**	H S Jackson & Son (Fencing) Ltd. Stowting Common, Ashford, Kent TN256BN
5	**Authorised Representative**	Andy Tune, Company Director
6	**Systems for the evaluation of constancy of performance**	System 3
7	**Name & Identification number of Notified Body**	BSI Assurance Uk Limited, Notified Body# 0086 (assessed ITT under System 3 and issued Report No. 8765852)
8	**European Technical Assessment**	Not Applicable
9	**Declared Performance**	As described in Annex A
10	**Declaration**	The performance of the product identified in Points 1 and 2, when installed in line with the relevant instructions (JFW32, JFW34), is in conformance with the declared performance in point 9.

Signed for on behalf of the manufacturer by:

Andy Tune **(Director)**

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Annex A

Requirement / Characteristic Description	*Product Type*		*Test or Calculation Method / In Compliance with*	*Harmonised Technical Specification & Notified Body*
	Jakoustic® Commercial / Highways	*Jakoustic® Plus Commercial / Highways*		
	Reflective System	*Absorptive System*		
Sound Absorption DL α	N/A	9 dB	BS EN 1793-1:1998	***BS EN 14388-1:2005 BSI Assurance Uk Limited, Notified Body # 0086***
Airborne Sound Insulation DL R	28 dB	32 dB	BS EN 1793-2:1998	
Resistance to loads				
Maximum Normal (90 °) load an acoustic element can withstand (due to wind and static)	2.81 kN / m²	2.81 kN / m²	BS EN 1794-1:2003 ANNEX A	
Maximum Normal (90 °) load an acoustic element can withstand (due to dynamic load from Snow Clearance)	15 kN / (2m x 2m)	15 kN / (2m x 2m)	BS EN 1794-1:2003 ANNEX E	
Maximum Normal (90 °) load a structural element can withstand (due to wind, static and self weight)	Posts (structural elements) are selected to satisfy each application's requirements and stated in units of kN/m² for each fence height and must be less than 2.81 kN / m²	Posts (structural elements) are selelcted to satisfy each application's requirements and stated in units of kN/m² for each fence height and must be less than 2.81 kN / m²	BS EN 1794-1:2003 ANNEX A	
Maximum bending moment a structural element can withstand (due to dynamic load from Snow Clearance)	If applicable, posts (structural elements) are selelcted to satisfy each application's requirements and stated in units of kNm at ground level for each fence height	If applicable, posts (structural elements) are selected to satisfy each application's requirements and stated in units of kNm at ground level for each fence height	BS EN 1794-1:2003 ANNEX E	
Dry and reduced wet self weight of an acoustic element				
Dry Weight	0.18 kN / m²	0.21 kN / m²	BS EN 1794-1:2003 ANNEX B	
Reduced wet weight	0.19 kN / m²	0.38 kN / m²	BS EN 1794-1:2003 ANNEX B	
Maximum vertical load an element can withstand (load from upper elements)	NPD	NPD	BS EN 1794-1:2003 ANNEX B	
Impact of Stones	Conforms to required standard	Conforms to required standard	BS EN 1794-1:2003 ANNEX C	
Resistance to brush fire	NPD	NPD	BS EN 1794-2:2003 ANNEX A	
Risk of falling debris	NPD	NPD	BS EN 1794-2:2003 ANNEX B	
Light Reflectivity	NPD	NPD	BS EN 1794-2:2003 ANNEX E	
Expected durability of acoustic characteristics				
Expected change in sound reflection index ***DLR1***	*NPD*	*NPD*	pr EN 14389-1	
Expected change in airborne sound insulation index ***DLS1***	*NPD*	*NPD*	pr EN 14389-1	
Expected Durability of non-acoustic characteristics - Service Life	30	30	BS EN 14389:2:2004	
Environmental Protection				
Information about Barrier Materials chemical names	*Out of ground timber components are made from European Redwood (Scots Pine). In ground contact timber components are made from Southern Yellow Pine / Radiata Pine / Corsican Pine. I-Beam -- Structural Steel, Fixings - hot dip galvanised to BS EN 1461:1999 Fittings - stainless steel or hot dip galvanised to BS EN 1461:1999*		BS EN 1794-2:2003 ANNEX C	
	Preservative -- "Jakcure" process with active ingredients: Copper(II)Carbonate / Copper(II)Hydroxide (1:1) / Propiconazole / Tebuconazole / N,N-Didecyl-N,N-dimethylammonium Carbonate/Bicarbonate			
	Where applicable the mineral wool insulation ingredients include Stone wool, Synthetic thermosetting polymer biner, Mineral oil, Silicon oil/emulsion. Where applicable the absorptive covering membrane is composed of fibrous glass (E-type, continuous filament) compositions consisting principally of oxides of silicon, aluminium, calcium, boron and magnesium, fused in an amorphous vitreous state.			
Any phsical or chemical conditions which would cause potentially toxic constituents to be released into the environment shall be declared.	*Not Applicable to Jackson's Environmental Barriers when in use. End of life disposal advice - Users should consult the regulations, and preferably the local enforcement agency, before burning any waste on site.*			
If some of these materials are wholly or in part recycled, the percentage of such constituents shall be stated.	*100% Recyclable material. Please refer to Jacksons Fencing for up to date advice at the time recycling is required.*			
Beneficial re-use of the barrier materials may be indicated, but any limitations on reprocessing conditions shall be noted.	*In general materials from a dismantled barrier can be re-used in a newly constructed barrier, subject to their condition. This should be inspected at the time of dismantling and refered to Jacksons Fencing for advice.*			