

CHARLES RANSFORD & SON
TIMBERSPECIALISTS SINCE 1876



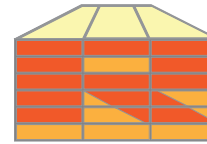
Declaration of performance

1 Product	Road Traffic Noise Reducing Device
2 Product Description	As described in Appendix 1
3 Intended use	Acoustic panel component only – to reduce noise along highway, traffic and rail corridors
4 Manufacturer	Charles Ransford & Son Ltd, Station Street, Bishop's Castle, Shropshire SY9 5AQ
5 Authorised officer	Craig Leitch, Company Director
6 Systems under which manufacturing takes place	ISO 9001 Quality Assurance BS EN 14081 Strength Graded Timber
7 Testing regime	BS EN 1793-2 1998 Acoustics - Road Traffic noise reducing devices BSEN 1794-1:2011 - Road traffic noise reducing device – non acoustic performance. Part 1: Mechanical Performance and stability requirements Test method for determining the acoustic performance
8 Testing body	University of Salford
9 Declared performance	To comply with BS EN 14388 2015
10 Declaration	The manufacture and performance of the products described at Point 1 above is in accordance with the systems described at Point 6 to achieve the performance described at Point 9

Signed on behalf of the manufacturer by

Craig Leitch, Director

Appendix 1



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	Noisewall® Single sided reflective	Noisewall® Double sided reflective	Noisevac® absorptive	Harmonised Technical Specification
Dry weight	0.255kN/m ²	0.500kN/m ²	0.268kN/m ²	BS EN 14388 2015 University of Salford
Reduced wet weight	0.280kN/m ²	0.696kN/m ²	0.724kN/m ²	
Superficial Mass	11.66 kg/m ²	23.32 kg/m ²	11.66 kg/m ²	
Vertical load	With the factored self weight and factored wind loadings no failure of the panels was observed	With the factored self weight and factored wind loadings no failure of the panels was observed	With the factored self weight and factored wind loadings no failure of the panels was observed	BS EN 14388 2015 University of Salford
Dynamic forces from snow clearance	10.89kN over 2mx2m	15.00kN over 2mx2m	15.88kN over 2mx2m	
Wind load and static load	0.335 kN/m ²	1.180 kN/m ²	0.821 kN/m ²	
Airborne sound insulationDL_R	29dB (category B3)	33dB (category B3)	37dB (category B3)	BS EN 14388 2015 University of Salford
Sound absorption	-	-	12 DL _α (category A4)	
Resistance to Brush Fire	Class 3	Class 3	Reflective Face Class 3 Absorptive face Class 1	BS EN 14388 2015 University of Salford
Expected durability <small>(non-acoustic properties – service life, panel component only)</small>	30 years	30 years	30 years	BS EN 14388 2015
Impact of Stones	No penetration of impactor	No penetration of impactor	No penetration of impactor	BS EN 14388 2015 University of Salford