Nationwide Fencing Services Ltd

Reflective Acoustic

Product Overview

Our Reflective Acoustic timber system has been tried and tested to deflect noise away from the area you need protecting.

Our team of installers have erected this system on motorways, airports, sports centres, and new residential and industrial developments all over the country.

Comprising overlapped vertical treated timber close-board pales secured to timber rails and fixed to either graded timber or steel universal beam posts.

Our reflective system offers enhanced privacy and security with excellent sound-reducing properties to offer a sustainable and attractive long term solution.

Features

- **Environmentally Friendly**
  Environmentally friendly timber construction which can come in varying heights.
- **Laboratory Tested Sound**
  Certification available upon request.

Suitable For

- **Commercial**
- **Distribution Centres**
- **Railways**
- **Residential**
- **Supermarkets**

Technical Specification

Post Height	Post Type	Boards	Colour
1800mm - 9000mm	Timber / Steel RSJ	Vertical	Tanalised Brown

info@nationwidefencing.co.uk

Telephone 0151 521 3417

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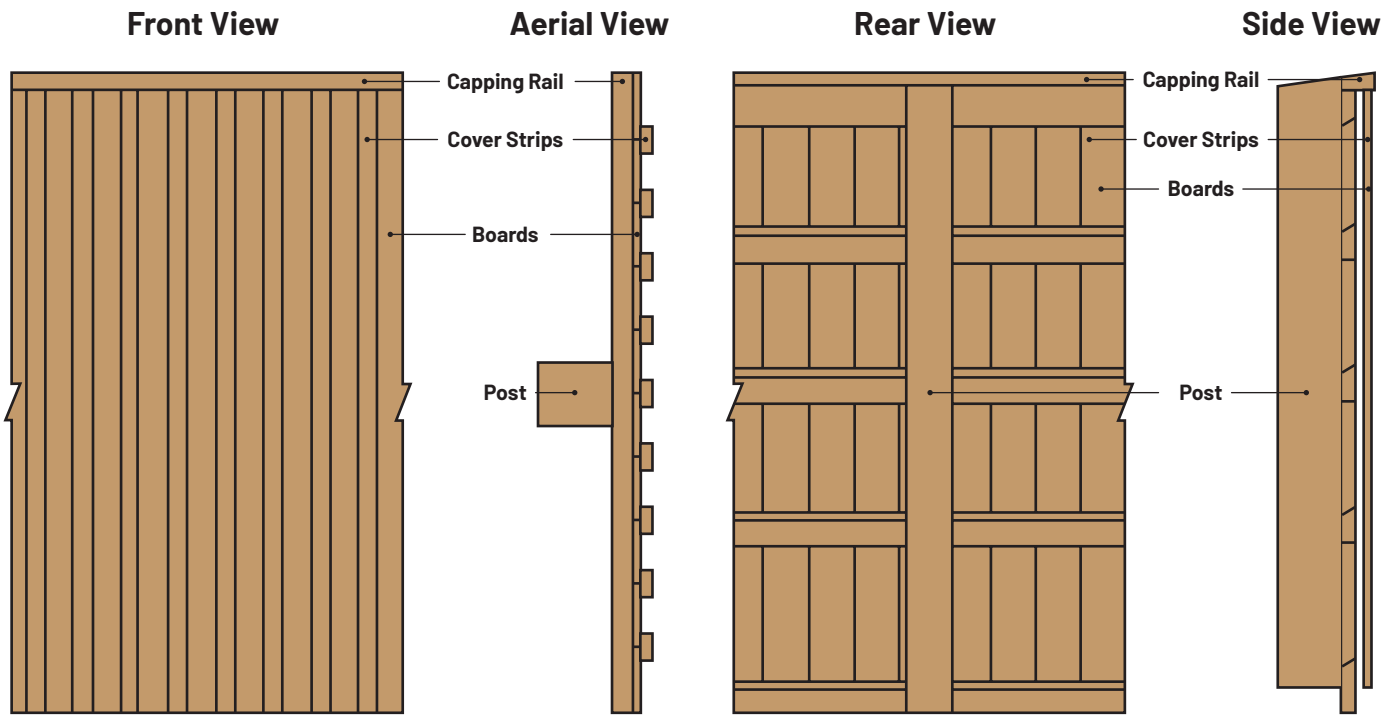
Technical Diagram



Reflective sound screen fitted to timber posts for illustration purposes only. Steel universal beam posts can be offered as an alternative. Height of sound screen variable to suit specific locations. Post centres @ 3.0m unless otherwise specified.

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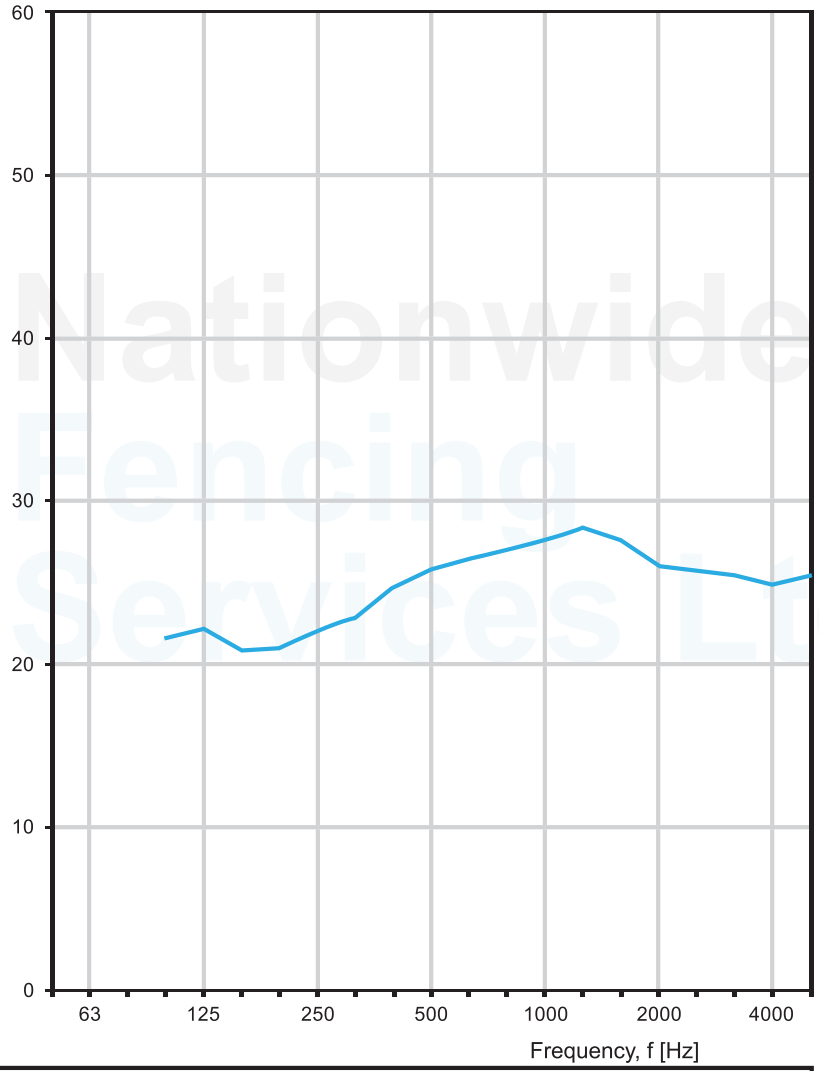
BS EN 1793-2 : 2018, Intrinsic Charactersitics of Ariborne Sound Insulation

Laboratory Measurement of sound insulation of building elemets

Client:	Acoustic Fencing Supplies	Product Identification:	Reflective Noise Barrier
Mounted by:	Client	Test Room Identification:	Acoustic Transmission Suite
Sample Size:	9.51 m^2	Date of Test:	22 January 2020
Manufacturer:	Client		
Description:	Noise Barrier		

Source Room Volume:	136 m^3	Ambient Pressure:	103.4 kPa
Source Room Temperature:	23.0 °C	Calculated Mass per unit area:	17.7 kg/m^2
Source Room Relative Humidity:	42.4 %	Curing Time:	Not Applicable
Receiving Room Volume:	222 m^3		
Receiving Room Temperature:	21.8 °C		
Receiving Room Relative Humidity:	47.8 %		

Frequency f [Hz]	R ⅓ octave [dB]
50	-.-
63	-.-
80	-.-
100	21.6
125	22.2
160	20.8
200	21.0
250	22.1
315	22.9
400	24.7
500	25.8
630	26.5
800	27.0
1000	27.6
1250	28.4
1600	27.6
2000	26.0
2500	25.7
3150	25.5
4000	24.9
5000	25.4



Rating according to BS EN 1793-2

DL_R = 26 dB

Evaluation based on laboratory measurement results obtained in one-third-octave bands by an engineering method.

Name of test institute:	The University of Salford, Acoustic test Laboratory		
No. of test report:	4507-4121	Signature:	
Date: 22 January 2020		Operator:	D. Wong-McSweeney