Nationwide Fencing Services Ltd

Interlock Acoustic



Product Overview

Nationwide Interlock Acoustic fencing is similar to Reflective Acoustic fencing, however the joins are slightly different as they are tongue and groove.

When sound waves meet the barrier, they are redirected away from the protected area. Acoustic barriers are widely regarded as a straightforward and highly-effective noise-reduction solution.

Along with sound reduction, timber acoustic fencing has other advantages such as privacy and the reduscton of light pollution and is effective for commercial, residential or industrial properties.

The perfect solution to reduce unwanted noise while offering a secure boundary.

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	Horizontal	Pressure Treated Green

info@nationwidefencing.co.uk

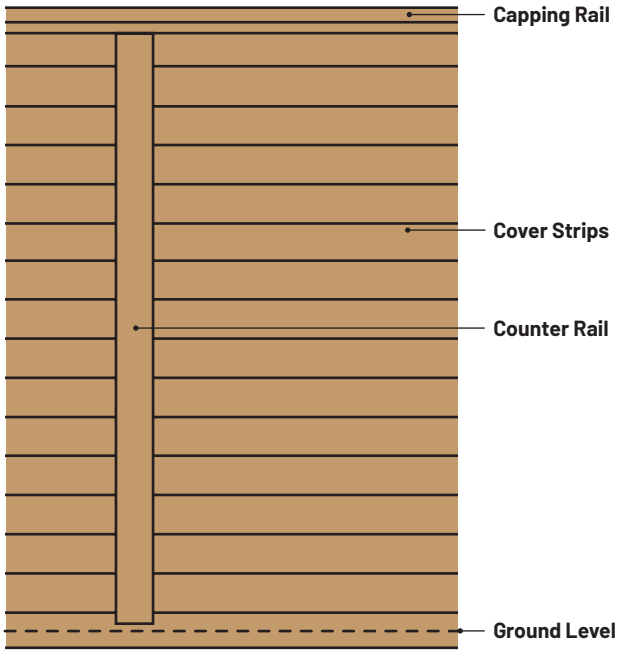
Telephone 0151 521 3417

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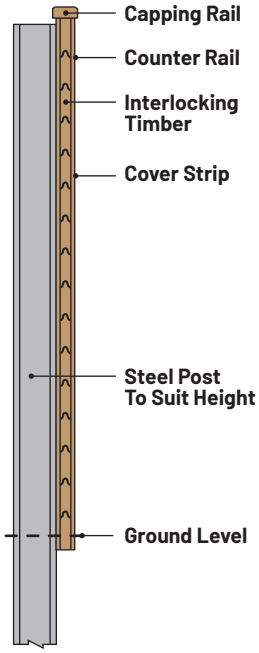


Technical Diagram

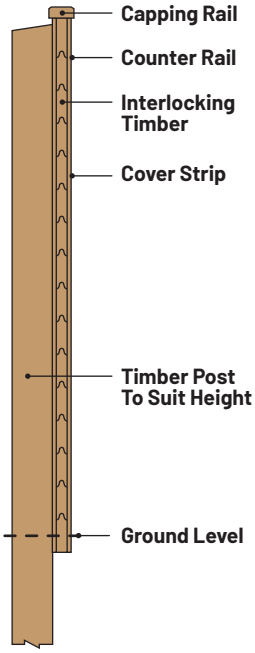
Front View



Side View
(Steel Post)



Side View
(Timber Post)



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 @ 2400mm unless otherwise specified.

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

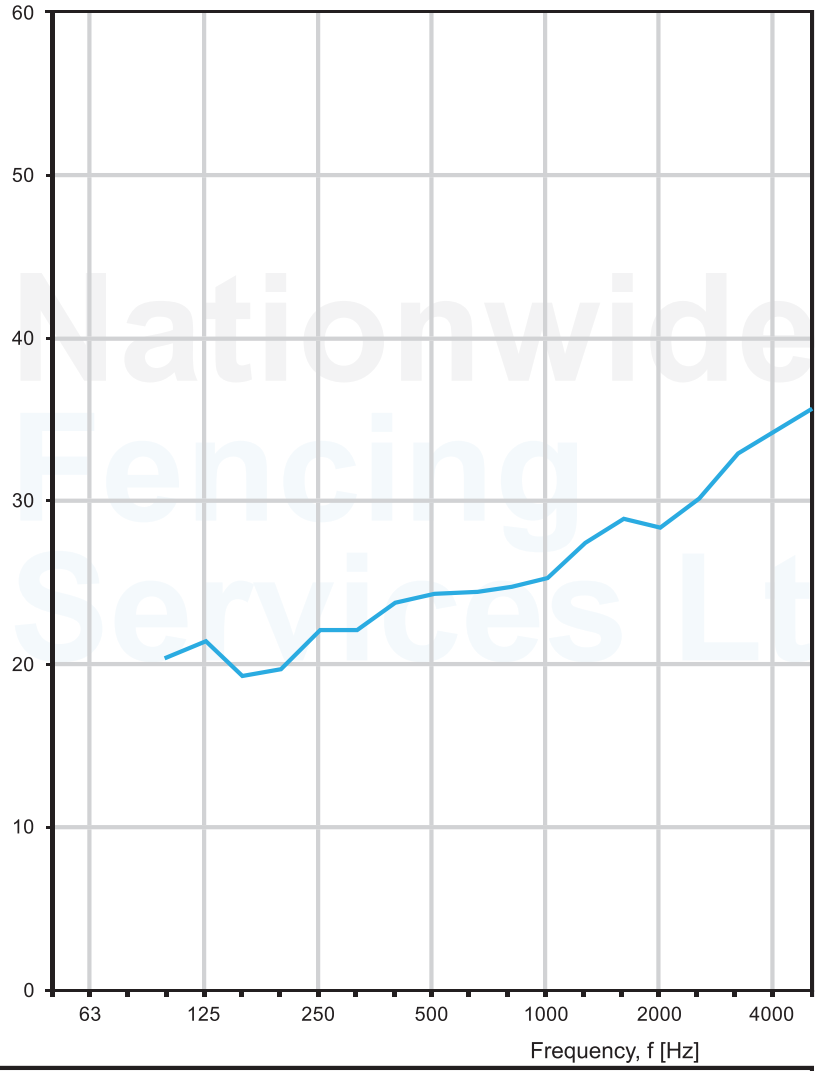
Laboratory Measurement of sound insulation of building elemets

Client:	Acoustic Fencing Supplies	Product Identification:	Weather Treated Tongue & Groove
Mounted by:	Client	Test Room Identification:	Acoustic Transmission Suite
Sample Size:	9.51 m^2	Date of Test:	21 January 2020
Manufacturer:	Client		
Description:	Noise Barrier		

Source Room Volume:	136 m^3	Ambient Pressure:	103.4 kPa
Source Room Temperature:	22.8 °C	Calculated Mass per unit area:	16.7 kg/m^2
Source Room Relative Humidity:	36.2 %	Curing Time:	Not Applicable
Receiving Room Volume:	222 m^3		
Receiving Room Temperature:	22.1 °C		
Receiving Room Relative Humidity:	39.4 %		

—— : R

Frequency f [Hz]	R ⅓ octave [dB]
50	-.-
63	-.-
80	-.-
100	20.5
125	21.4
160	19.4
200	19.8
250	22.2
315	22.2
400	23.8
500	24.4
630	24.5
800	24.8
1000	25.4
1250	27.5
1600	28.9
2000	28.5
2500	30.2
3150	32.9
4000	34.4
5000	35.8



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Rating according to BS EN 1793-2

DL_R = 25 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:	4507-4120	Signature:	[redacted]
Date: 21 January 2020		Operator:	