Nationwide Fencing Services Ltd

Absorptive Acoustic

Product Overview

Nationwide Absorptive Acoustic fencing system is the ultimate in noise reduction.

The system is designed with overlapped boards with a rock wool centre covered with a sound absorbing membrane.

So when noise reduction is of paramount importance, an absorptive barrier is the best solution as it traps and breaks down sound frequency, diffusing sound waves completely rather than reflecting it in a different direction. Absorptive Acoustic barriers would eliminate sound waves, overcoming any chance of reverberation.

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	Vertical	Tanalised Brown

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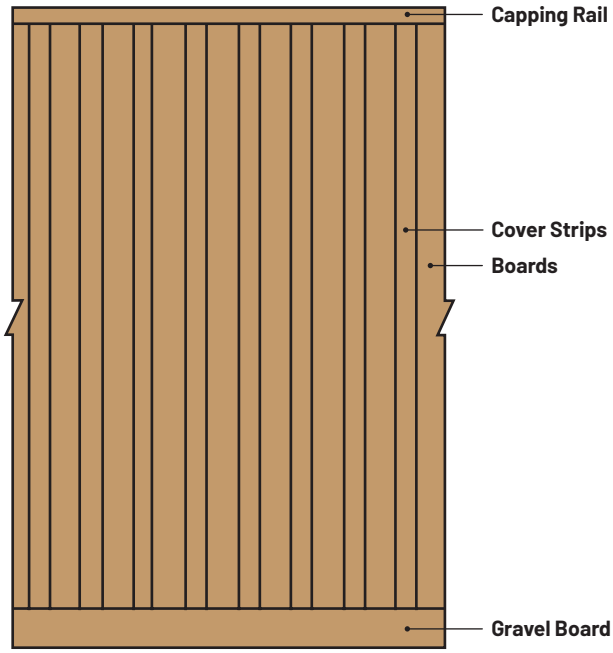
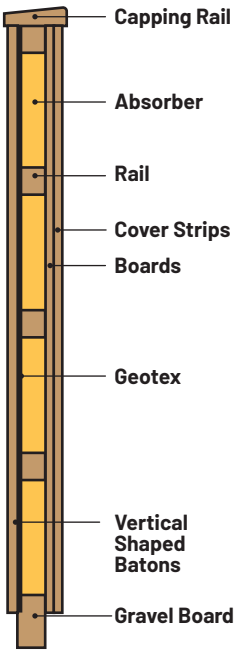
Technical Diagram

Front View

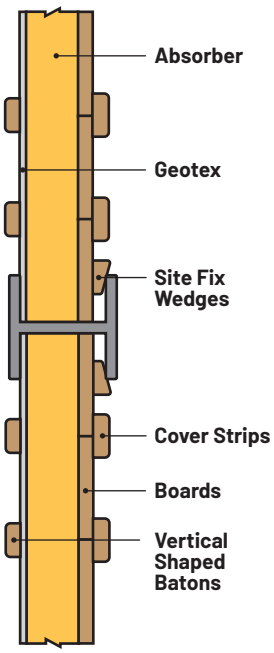


Side View



Aerial View

(with capping ommitted)



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 @ 2410mm unless otherwise specified.

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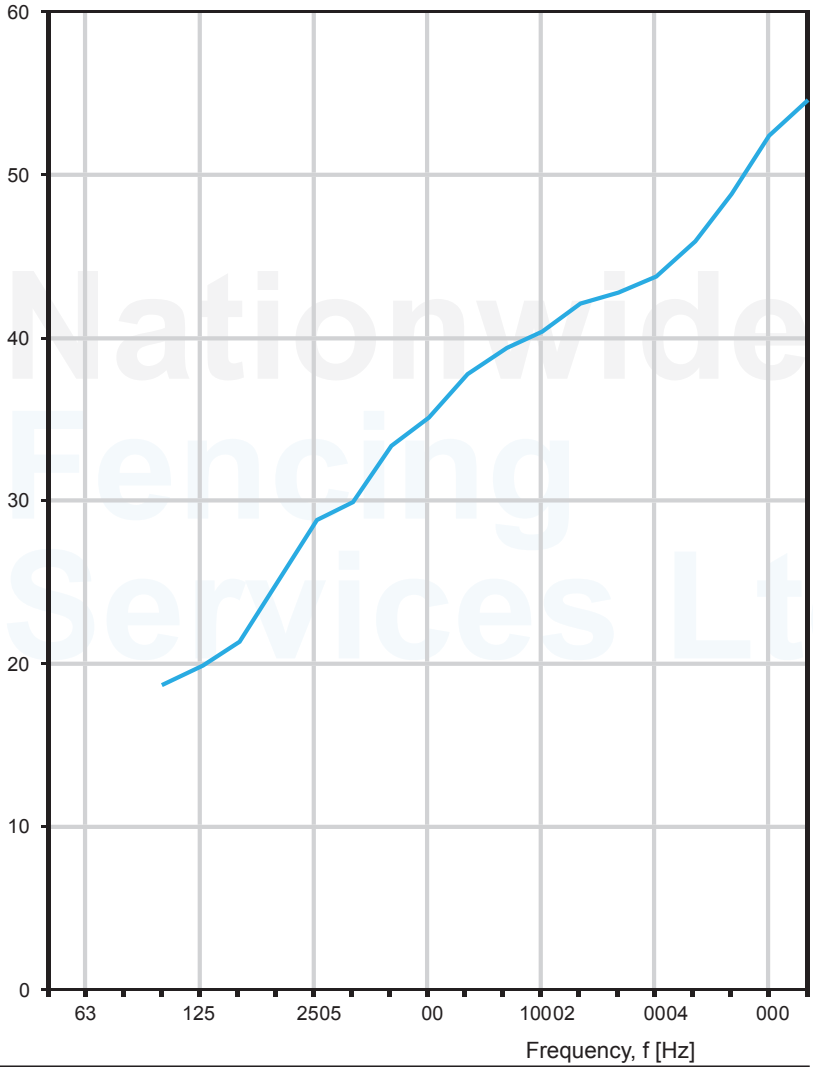
BS EN 1793-2 : 2018, Intrinsic Characersitics of Ariborne Sound Insulation

Laboratory Measurement of sound insulation of building elemets

Client:A	coustic Fencing Supplie s	Product Identification:	Absorptive Light Duty 25
Mounted by :C	lien t	Test Room Identification :A	coustic Transmission Suite
Sample Size:	9.51 m²	Date of Test:	23 January 202 0
Manufacturer :C	lien t		
Description :N	oise Barrier		

Source Room Volume :1	36 m³	Ambient Pressure :	102.4 kPa
Source Room Temperature:	22.1 ° C	Calculated Mass per unit area:	22.1 kg/ m²
Source Room Relative Humidity :4	4.7 %	Curing Time:	Not Applicabl e
Receiving Room V olume:	221 m³		
Receiving Room Temperature :2	1.4 ° C		
Receiving Room Relative Humidity :5	6.4 %		

Frequenc y f [Hz]	R ⅓ octav e [dB]
50	-.-
63	-.-
80	-.-
100	18.7
125	19.9
160	21.4
200	25.3
250	28.7
315	30.0
400	33.3
500	35.1
630	37.7
800	39.3
1000	40.4
1250	42.1
1600	42.8
2000	43.8
2500	45.9
3150	48.8
4000	52.4
5000	54.6



Rating according to BS EN 1793-2

DL R = 32 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 Laborator y		
No. of test report :4	507-4126	Signature:	
Date: 22 January 2020		Operator :D	. Wong-McSweeney