

Noisevac Absorbent Noise Barrier

Technical Data

- Reflective Category B3, Absorptive Category A4
- Category ratings according to BS EN 1793-1&2
- Laboratory tested sound reduction up to 37dB
- NHSS certified
- Approximate weight = 53kg/m²



Layer / Component	Density kg/m3	Standard Superficial Mass kg/m2	Function
Face Boards (full coverage)	530	11.66	Primary sound reflecting surface
Cover Boards (50% coverage)	530	5.83	Secondary sound reflecting surface. Seals joins to make panels imperforate
Acoustic Insulation	45	3.38	Absorbs sound and reduces sound transmission
Total		20.87	Combined superficial mass / surface density

Comparing products the right way

When comparing this data please bear in mind that not all suppliers use the same approach and may quote misleading figures. It is essential to ensure you are comparing like with like. **Superficial mass should not be compared with average density or weight.**

The Ransfords range of noise barriers are:

- Sustainably made in the UK using British-grown timber
- Independently tested to meet recognised acoustic performance standards
- Value engineered using advanced sawmill technology for strength and consistency
- Available with CE marking for prefabricated panels when specified
- Proven in use near roads, railways and for industrial environments
- Extremely durable
- Customisable in both reflective and absorbent formats to suit different applications
- Visually appealing and designed to blend into rural and urban landscapes
- Fully compliant with Highways Agency Standard specifications and treatment

Contact

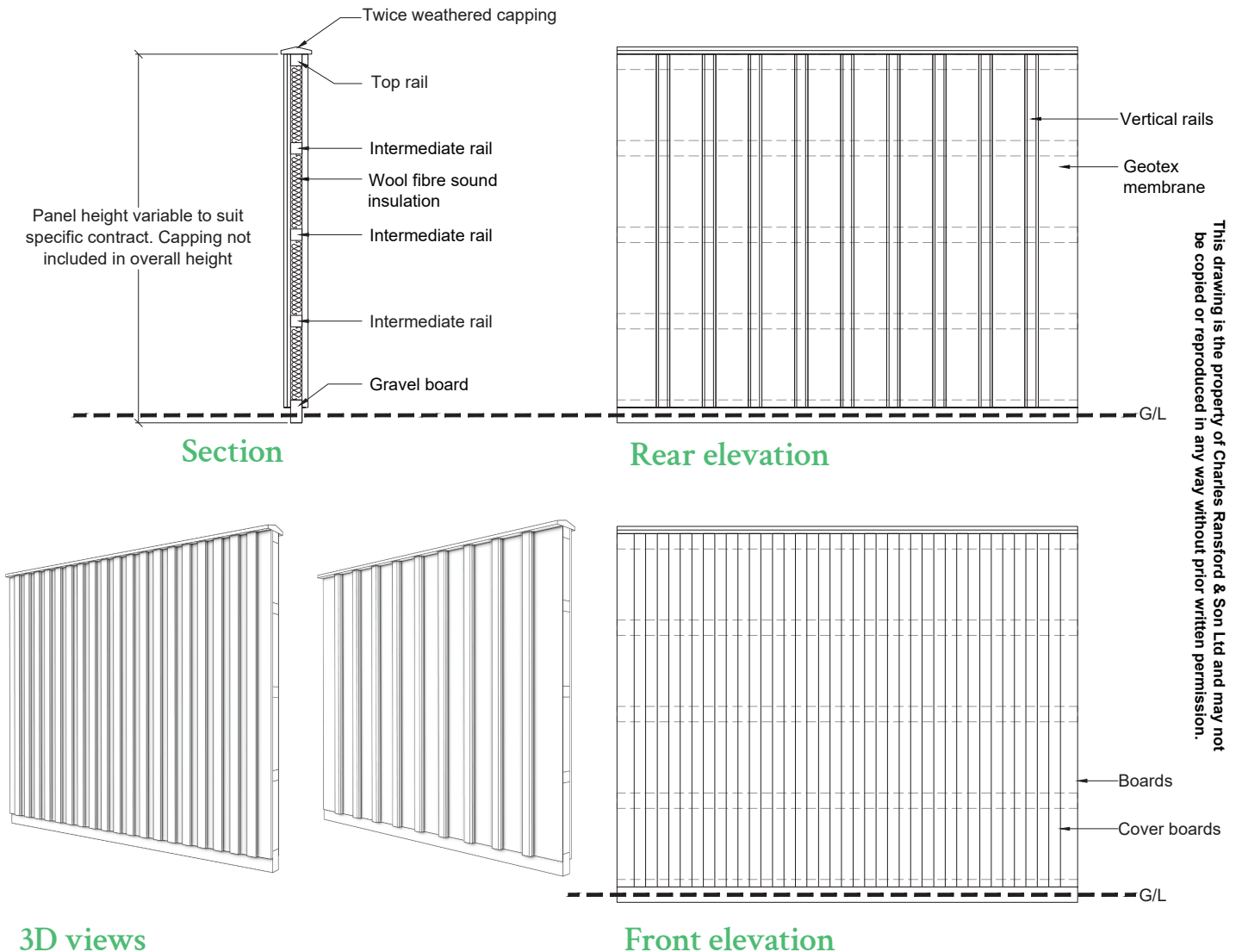
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Standard detail



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Important notes

- The design of the noise barrier is dependant on individual specifications and this drawing is shown for illustrative purposes only.
- The exact design criteria should be specified by a professional designer and qualified for intended purpose by a structural engineer. Any structural requirements must be specified prior to manufacture. Strength graded timber is available on request.
- The noise barriers can be installed on timber or steel posts. Post sizes must be specified by a structural engineer to suit the specific contract. The method used for fixing the noise barriers to the posts is the responsibility of the customer.
- Charles Ransford and Son Ltd do not take responsibility for any persons adopting this design as a structure without seeking professional advice first. Charles Ransford and Son Ltd are manufacturers and operate on the principle of supplying what is ordered. It remains the customer's responsibility to ensure ordered materials are adequate and fit for purpose for the intended application.

Noisevac Absorbent Noise Barrier

UKAS Certificate

Issued by University of Salford (Acoustics Test Laboratory)
UKAS ACCREDITED TEST LABORATORY NO. 1262

BS EN 1793-2:1998

Acoustics- Road traffic noise reducing devices

Test method for determining the acoustic performance

Client: Charles Ransford & Son Ltd
Station St
Bishop's Castle
Shropshire SY9 5AQ

Object: Noisevac® - an absorptive barrier to one face with reflective face to rear

Source room:

Receiving room:

Volume: 136m³

Volume: 220m³

Condition: clean

Condition: clean

Type: small reverberation room

Type: large reverberation room

Location: acoustic transmission suite

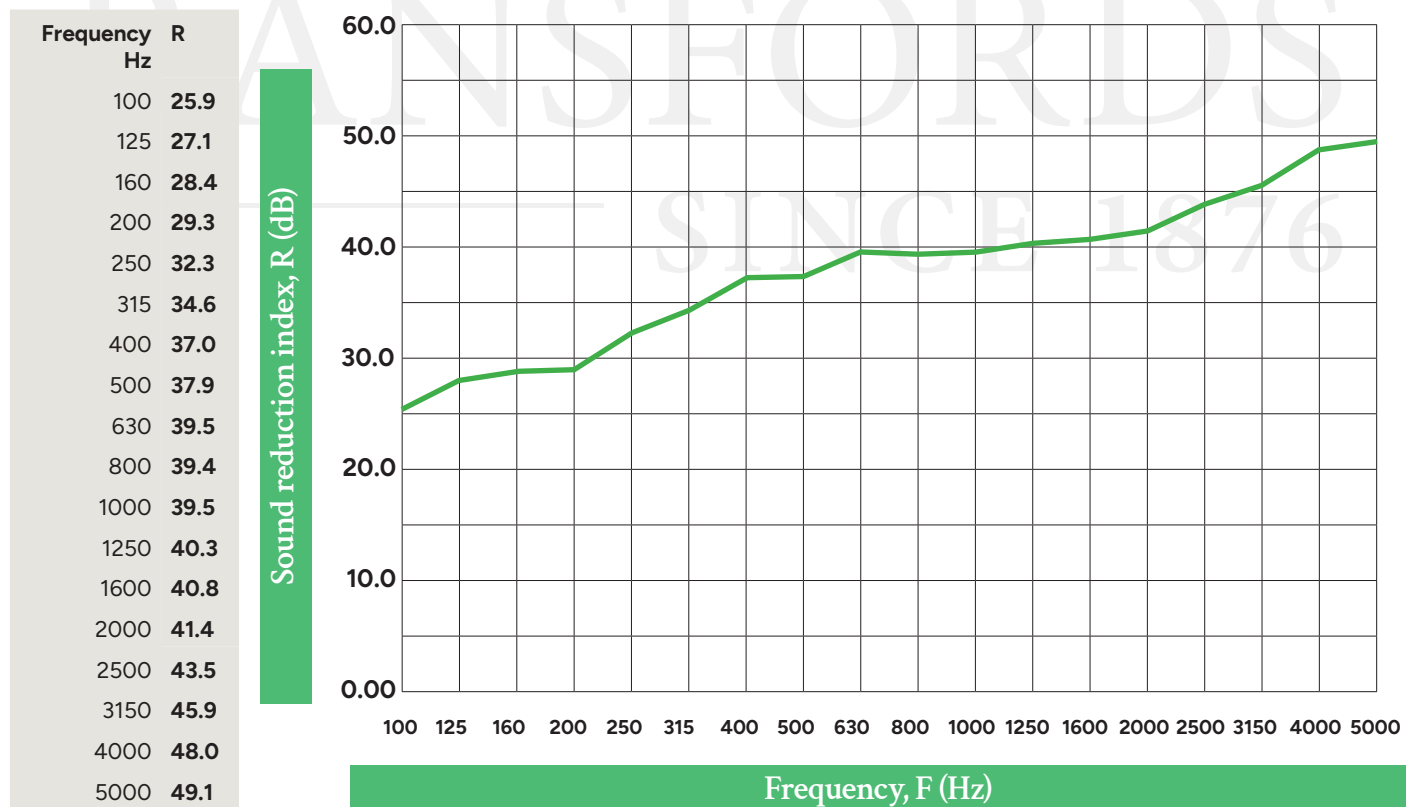
Location: acoustic transmission suite

Sample out: Temperature (°C): 21.0

Sample in: Humidity (%): 34.2

DL_R = 37

Category: B3



Test reference number: AC09/103/14 (Reflective face)

University of Salford, School of Computing, Science & Engineering

Date: 27/01/10

SSV1

NNAP3/4

Noisevac Absorbent Noise Barrier

UKAS Certificate

Issued by University of Salford (Acoustics Test Laboratory)
UKAS ACCREDITED TEST LABORATORY NO. 1262

BS EN 1793-1 : 1998

Acoustics- Road traffic noise reducing devices

Test method for determining the acoustic performance

Client: Charles Ransford & Son Ltd
Station St
Bishop's Castle
Shropshire SY9 5AQ

Object: Noisevac® - an Absorptive barrier to one face with Reflective face to rear

Receiving room:

Volume: 220m³

Condition: clean

Type: large reverberation room

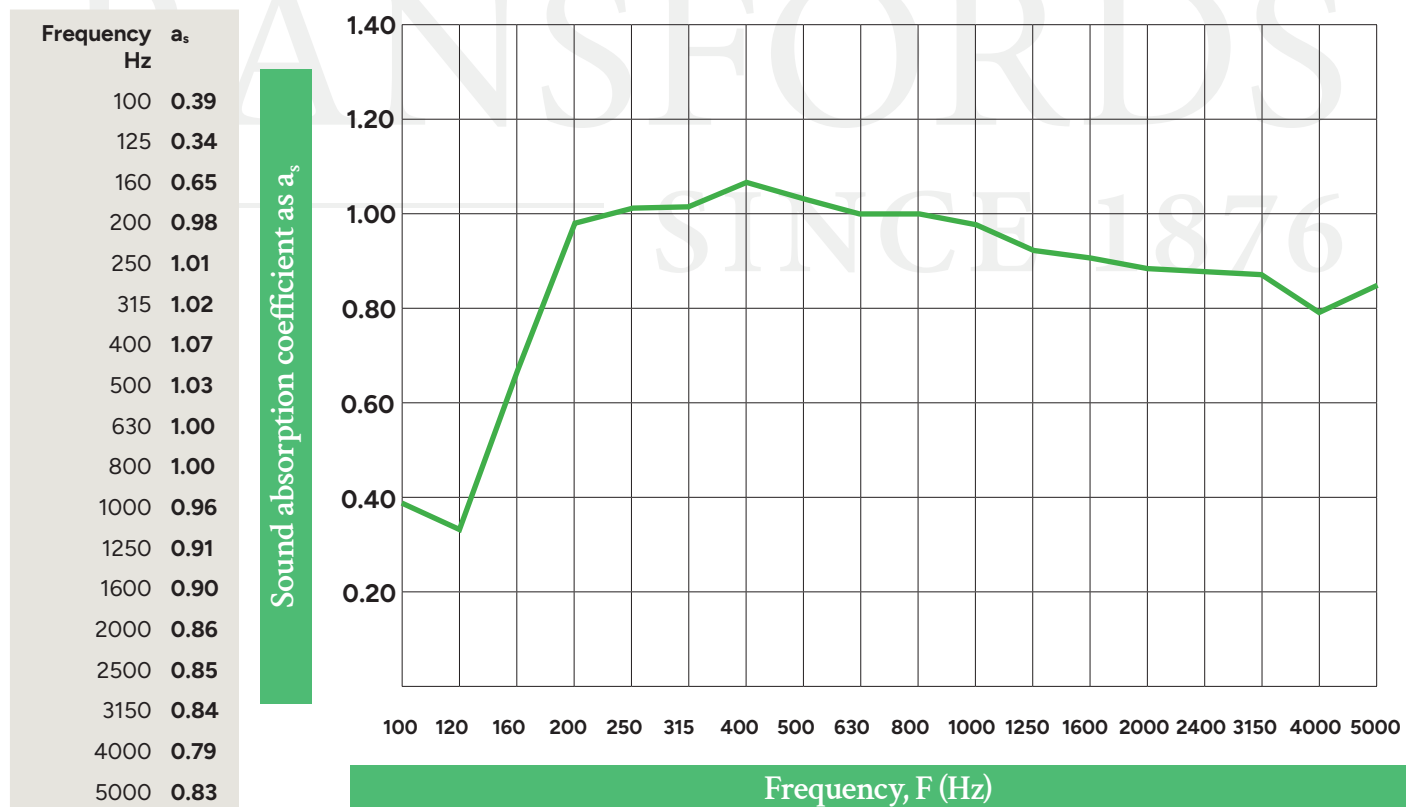
Location: acoustic transmission suite

Sample out: Temperature (°C): 21.1 Humidity (%): 53.1

Sample in: Temperature (°C): 20.5 Humidity (%): 54.2

DL α^2 = 12

Category: A4



Test reference number: AC09/103/13 (Absorptive face)

University of Salford, School of Computing, Science & Engineering

Date: 15/06/09

SSV1

NNAP4/4