

**Laboratory measurements of airborne sound insulation of building elements****Octave bands****ISO 140-3 (1995)**

Client: Sound Planning Limited  
48 Windermere Way  
Farnham  
Surrey  
GU9 0DE

Object: "Single Blade 300mm"

Size (m<sup>2</sup>): 1.01

Thickness (mm): 300

Mass per unit area (kg/m<sup>2</sup>): 39.9

Source room:

Volume (m<sup>3</sup>): 136

Temperature [°C]: 18.4

Humidity [%]: 36.4

Receiving room:

Volume (m<sup>3</sup>): 217

Temperature [°C]: 18.7

Humidity [%]: 33.7

Rating according to ISO 717-1 (1996):

$R_W$  14 dB

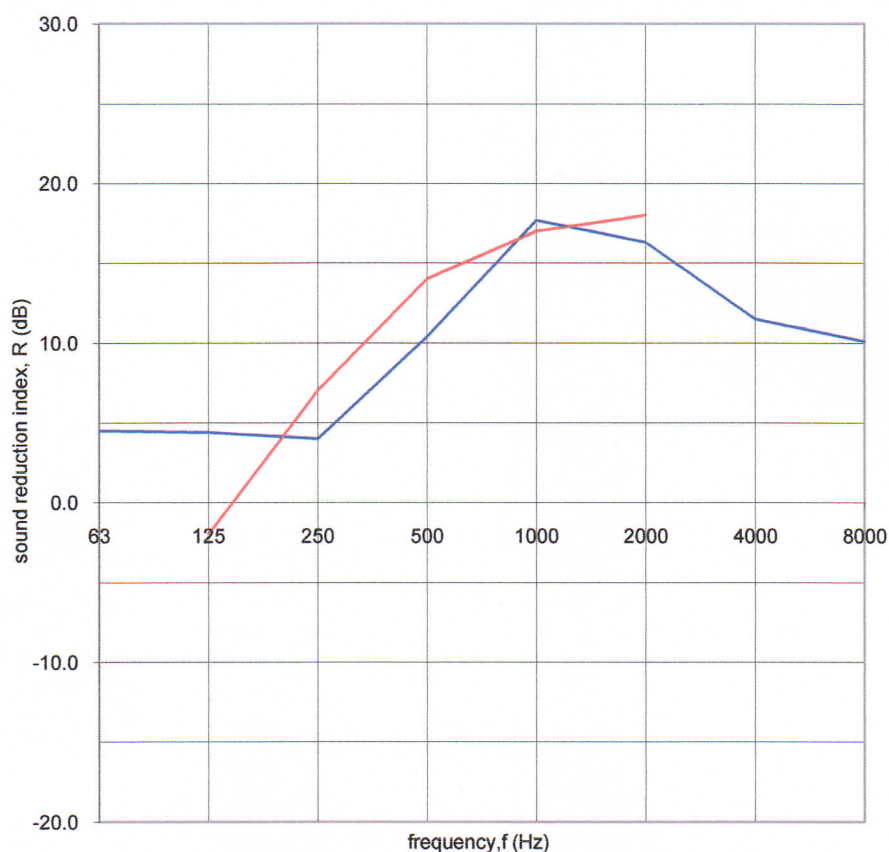
f range (Hz) 125-2000 63-4000

C (dB) -1 -2

$C_{tr}$  (dB) -3 -4

| Frequency<br>(Hz) | R<br>(dB) |
|-------------------|-----------|
| 63                | 4.5       |
| 125               | 4.4       |
| 250               | 4.0       |
| 500               | 10.4      |
| 1000              | 17.7      |
| 2000              | 16.3      |
| 4000              | 11.5      |
| 8000              | 10.1      |

— :R  
— :Shifted ref curve



Test reference No.: 254-170

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Date: 21/02/2011

Signature: 

SSV1