

# Sound Reduction Index according to ISO 140-3

## Laboratory measurements of airborne sound insulation between rooms

Client: Brickworks Building Products

Date of test: 17/09/2014

Description and identification of the building construction and test arrangement, direction of measurement:

60 mm thick Pronto Panel

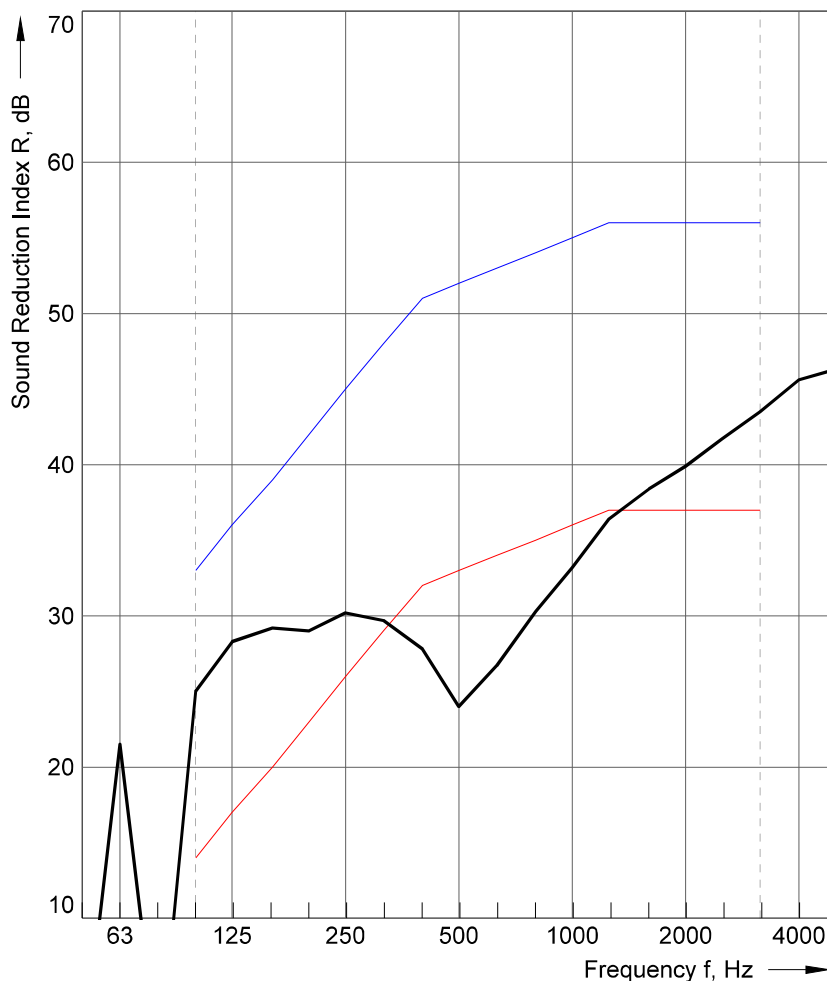
Area S of separating element: 10.19 m<sup>2</sup>

Source room volume: 90 m<sup>3</sup>

Receiving room volume V: 313.00 m<sup>3</sup>

Frequency range according to the curve of reference values (ISO 717-1)

Frequency f Hz	R 1/3 Octave dB
50	0.0
63	21.5
80	0.0
100	25.0
125	28.3
160	29.2
200	29.0
250	30.2
315	29.7
400	27.8
500	24.0
630	26.7
800	30.3
1000	33.2
1250	36.4
1600	38.4
2000	39.9
2500	41.7
3150	43.5
4000	45.6
5000	46.3



Rating according to ISO 717-1

$R_w (C; C_{tr}) = 33 (-1; -3) \text{ dB}$

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

$C_{50-3150} = \text{N/A dB}; C_{50-5000} = \text{N/A dB}; C_{100-5000} = 0 \text{ dB};$   
 $C_{tr, 50-3150} = \text{N/A dB}; C_{tr, 50-5000} = \text{N/A dB}; C_{tr, 100-5000} = -3 \text{ dB};$

No. of test report: 5518-1A

Name of test institute: Day Design Pty Ltd

Date: 08/12/2014

Signature: