

Client:

Day Design

Window Testing Program 2010

Test Specimen:

FILLER WALL

3x10mm CSR Supaceil / 90mm timber stud with 75mm R1.5 Bradford Glasswool / 60mm air gap / 90mm timber stud with 75mm R1.5 Bradford Glasswool / 2x13 CSR EC08 Impact. All gaps were sealed using Soudaseal FR.

| Frequency - Hz | Sound Reduction Index - dB | |
|-------------------------------------|----------------------------|------------|
| | 1/3 Octave | 1/1 Octave |
| 100 | 37 | 40 |
| 125 | 38 | |
| 160 | 45 | |
| 200 | 49 | 52 |
| 250 | 53 | |
| 315 | 53 | |
| 400 | 55 | 56 |
| 500 | 56 | |
| 630 | 58 | |
| 800 | 59 | 61 |
| 1000 | 59 | |
| 1250 | 62 | |
| 1600 | 63 | 64 |
| 2000 | 65 | |
| 2500 | 63 | |
| 3150 | 66 | 68 |
| 4000 | 69 | |
| 5000 | 72 | |
| R _w (C;C _{tr}) | 59 (-2 ; -7) | |

Australian Standards:

Measured according to AS 1191-2002

Rated to AS/NZS ISO 717.1:2004

Test Specimen Area:

9.95 m²

Test Location:

Twin Reverberation Rooms

National Acoustic Laboratories

126 Greville Street, Chatswood NSW

Instrumentation:

- Brüel and Kjær Two Channel Pulse Analyser (assembly 2825, 7521, 2 x 3015)
- Brüel and Kjær Cathode Follower type 2639
- Brüel and Kjær Cathode Follower type 2669
- Brüel and Kjær Microphone type 4144
- Brüel and Kjær Microphone type 4144
- Brüel and Kjær Sound Level Calibrator type 4231
- Yamaha Professional Sound Sources type S500

