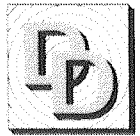


DAY DESIGN PTY LTD

A.B.N. 73 107 291 494

CONSULTING ACOUSTICAL ENGINEERS



Bailey Interiors Pty Ltd
83-85 Boundary Road
Mortdale NSW 2223

Suite 17, 808 Forest Road
Peakhurst Sydney NSW 2210
Phone: (02) 9584 2639 Fax: (02) 9584 2619
Email: acoustics@daydesign.com.au
www.daydesign.com.au

Refer: P\4110-R3

Attention: Mr Roger Bailey
Telephone: 9153 9326 Email: Roger@baileyinteriors.com.au

10 June, 2009

Dear Sir,

BAILEY INTERIOR "TR2000" ACOUSTIC CEILING TILES ACOUSTIC OPINION

As requested, we are pleased to provide acoustic opinions for the Bailey Interiors "TR2000" ceiling tiles as detailed below.

Sound absorptive tests were carried out at the National Acoustic Laboratories in May 2009 to determine the sound absorption coefficients of the "TR2000" Ceiling Tiles, with an open area of 10%. The results of the test were reported in our report 4110 dated 9 June 2009 and are extracted below together with two acoustic opinions by varying the insulation above the tile.

Tile Description	NRC (α_w)
TR2000 Tile, 10% open area, 40 mm diameter holes with Regina tissue and 25 mm thick glasswool (density 32 kg/m ³) behind with an airgap of 400 mm.	0.65 (0.55)*
Ditto with 38 mm thick insulation and 400 mm airgap	0.65 (0.60)^
Ditto with 75 mm thick insulation and 400 mm airgap	0.70 (0.60)^

*Measured

^Opinion

We consider the accuracy to be within ± 0.05 NRC and α_w .

Yours faithfully

Day Design Pty Ltd

Stephen Gauld, BE (Mech), MEngSc(Noise and Vibration), MIE Aust, MAAS
Senior Acoustical Engineer

Member Company



The Association of Australian
Acoustical Consultants

- AIRCRAFT, ROAD TRAFFIC AND TRAIN NOISE CONTROL
- ARCHITECTURAL ACOUSTICS • INDUSTRIAL NOISE AND VIBRATION CONTROL
- ENVIRONMENTAL NOISE IMPACT INVESTIGATION AND CONTROL
- OCCUPATIONAL NOISE INVESTIGATIONS • QUIET PRODUCT DEVELOPMENT



Quality
Certified

Manufacturer:

Bailey Interiors Pty Ltd

83-85 Boundary Road, Mortdale

Test Specimen:

TR2000 Ceiling Tile

15mm thick cast-plaster (10% open area - diagonal slots) with 25mm thick glasswool (32kg/m³)

Australian Standards:

Measured according to AS ISO 354-2006

Rated according to AS ISO 11654-2002

Specimen Area:

10.4m² (3.53m x 2.94m)

Type E-400 Mounting (400mm airgap behind tiles)

Test Location:

National Acoustics Laboratory

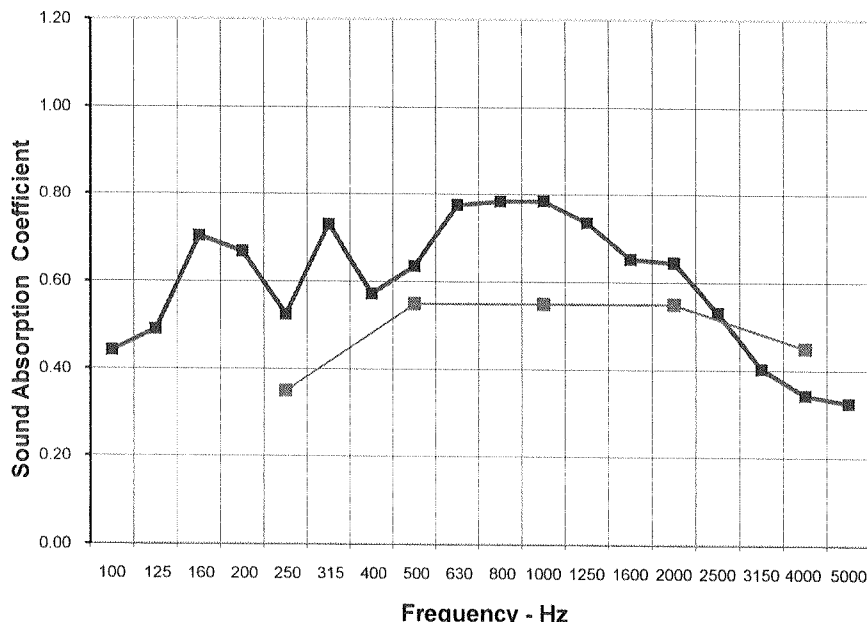
126 Greville Street, Chatswood NSW

Instrumentation:

- Brüel and Kjær Two Channel Pulse Analyser (assembly 2825, 7521, 2 x 3015)
- Brüel and Kjær Cathode Follower type 2660
- Brüel and Kjær Microphone type 4179
- Brüel and Kjær Sound Level Calibrator type 4231
- Yamaha Professional Sound Sources type S500
- Vaisala Digital Barometer type PTB201AD
- Testo Temperature/Humidity Logger type 177-H1

Frequency - Hz	Sound Absorption Coefficients	
	α_s	α_p
100	0.44	
125	0.49	0.55
160	0.70	
200	0.67	
250	0.53	0.65
315	0.73	
400	0.57	
500	0.64	0.65
630	0.78	
800	0.78	
1000	0.78	0.75
1250	0.73	
1600	0.65	
2000	0.64	0.60
2500	0.53	
3150	0.40	
4000	0.34	0.35
5000	0.32	
Weighted Sound Absorption Coefficient, α_w	0.55 (L)	

Noise Reduction Coefficient, NRC	0.65
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Date of Test: Thursday, 14 May 2009
Project Number: 4110-3

Test Engineer: Alex Li, BE(Mech) Hons
For and on behalf of Day Design Pty Ltd