THE CRAFTSTONE COLLECTION

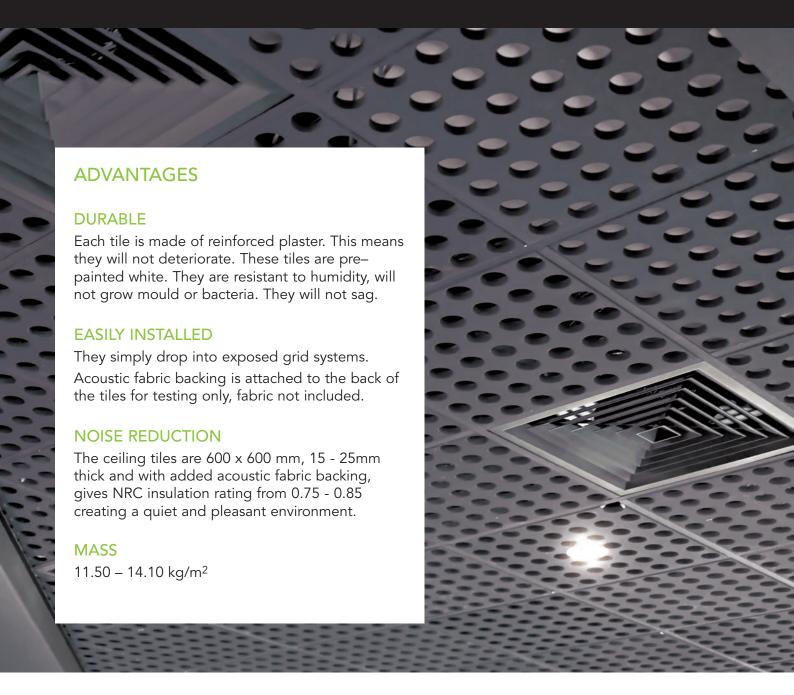
Quiet Sound – Contemporary Plaster Acoustic Ceiling Tiles





THE CRAFTSTONE COLLECTION

for plaster acoustic tiles



ABOVE: MOON INSTALLATION

WESTERN SYDNEY LEAGUES CLUB

ASHFIELD, NSW AUSTRALIA

A truly beautiful, decorative ceiling tile, the Craftstone Collection is aesthetic, artistic and functional.

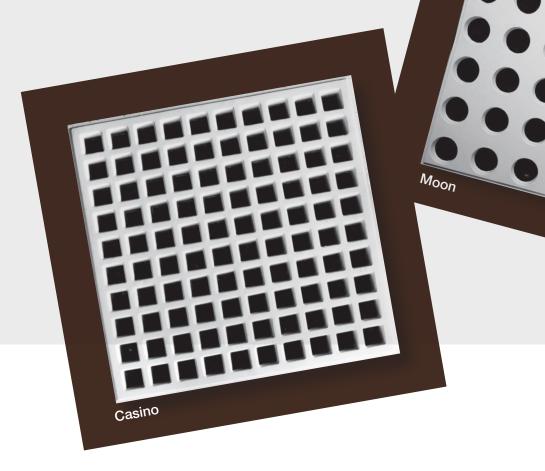
THE CRAFTSTONE RANGE

CASINO

A 25mm thick tile with 45mm square holed openings in a 10×10 grid. Achieves a very high acoustic rating

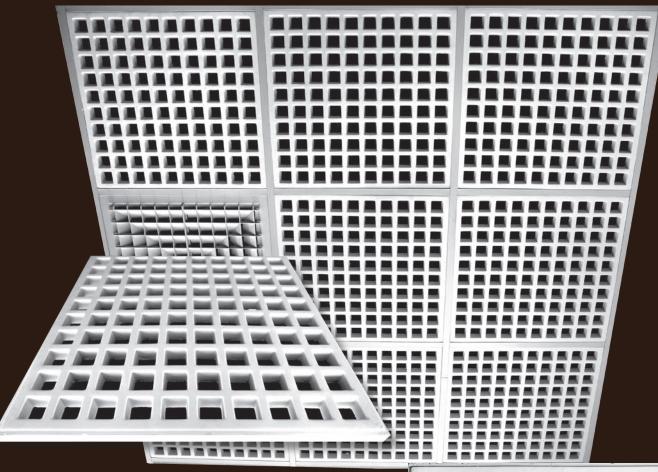
MOON

55mm circular perforations, arranged in a 7×7 grid giving a moon look.





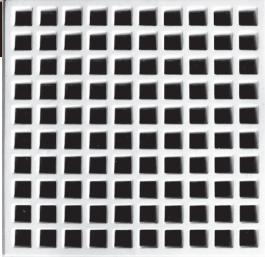
Casino



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PROPERTIES

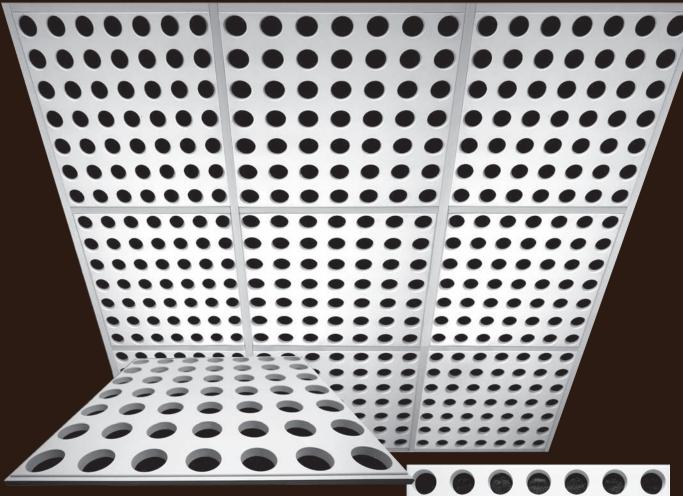
- Square edge.
- Insulation with black acoustic fabric attached to back of tile is included.
- To be used in conjuction with ceiling grid exposed
 24 mm T Bar steel or aluminum 600 x 600 system.



Casino ACOUSTIC PERFORMANCE AND SPECIFICATION									
Open Area	Thickness Thickness Insulation mm Size mm NRC SAA % Light Reflective Kg/m² Weight per Tile Kg								
35.8%	25 20 600 x 600 0.85 0.89 0.70 14.10 5.08								



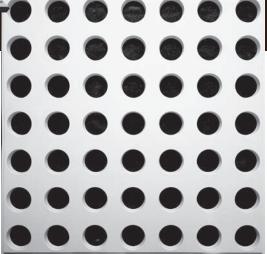
Moon



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PROPERTIES

- Bevelled edge.
- Insulation with black acoustic fabric attached to back of tile is included.
- To be used in conjuction with ceiling grid exposed
 24 mm T Bar steel or aluminum 600 x 600 system.



Moon ACOUSTIC PERFORMANCE AND SPECIFICATION								
Open Area		Thickness Insulation mm	Size mm	NRC	SAA	% Light Reflective	Mass Kg/m²	Weight per Tile Kg
30%	16	20	600 x 600	0.75	0.77	0.74	11.5	3.94

SUMMARY

PLASTER ACOUSTIC PLASTERGLASS TILES – CRAFTSTONE COLLECTION

Tile Dimensions: 600mm x 600mm									
	Open Area	Mass Kg/m ²	Thickness Tile	Thickness Insulation	NRC	SAA	α_{W}	% Light Reflective	Suspension
Casino	35.8%	14.10	25mm	20mm	0.85	0.89	0.85	0.70	Duo1/DuoH x
Moon	30.0%	11.50	16mm	20mm	0.75	0.77	0.75	0.74	1200 Duo2/600

SUMMARY - PHYSICAL PROPERTIES

Insulated with 32Kg/m³, Bradford Supertel glasswool.

Results shown is a guide to acoustic performance. Products can be supplied with acoustic fabric or choice of insulation.

Thicker Insulation may be used to further increase absorption.

All tiles and panels are supplied with acoustic fabric to backing.

Acoustic Test shown here are examples of what can be achieved for NRC using different insulation methods. Dimensional stailbility at 95% humidity.

All thickenesses and weights are nominal

INSTALLATION

LIGHT WEIGHT PLASTER ACOUSTIC CEILING TILES, 600 X 600 MM RANGE

- 1. Plan ceiling layout to provide even margins at the perimeter.
- 2. Centre the ceiling both ways ensuring centre lines are at right angles.
- 3. Fix wall angle trim to perimeter walls at the correct height set by a level line. Mitre the wall angle trim around piers and columns.
- 4. Fix ceiling grid in accordance to Rondo grid layout using Duo system.
- 5. Cutting tiles can generally be avoided by designing the ceiling so that whole tiles or panels extend as close as practicable to the room area perimeters and then filling to the wall with a plaster board margin.
- 6. If cutting cannot be avoided the following typical methods are recommended.
 - When ordering plaster acoustic ceiling tiles make sure to order solid tiles with the same pattern but without the acoustic insulation, these separate tiles will make cutting of the tiles much easier to perform.
 - Use a router bit to cut panels and tiles to the required size. The router bit rebates the tile to enable installation into the ceiling grid.
 - Panels and tiles can also be cut to size with a panel saw.
 - Cable penetrations and sprinkler head holes should be cut into solid tiles or panels using a drill with an appropriate hole saw attachment.
 - Down light & pipe penetrations should also be cut into solid tiles or panels using a key hole saw or a drill with an appropriate hole saw attachment.

GRID SYSTEM LAYOUT

PLASTER ACOUSTIC CEILING TILE 600 X 600 MM RANGE

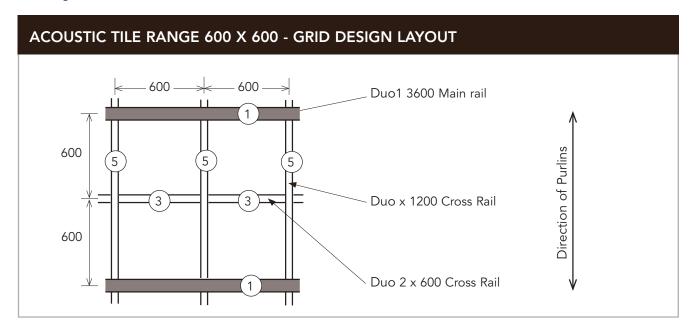
- The Duo 1 main tee shall be hung on soft galvanize rod or 2.5mm wire, accurately levelled.
 - Suspension clips shall be spaced at 1200mm centres along the Duo 1 main tee.
- Duo 1 main tees to be spaced at 1200mm centres.
 - Duo X 1200 cross tees shall intersect main tees at 600mm centres and be positively locked together.
- Duo 2 x 600 cross tees are to be spaced at 600mm and shall intersect Duo 1200 cross tees at 600mm centres and be positively locked together.

Wall angle shall be securely fixed to the wall at 600mm centres providing a true level edge.

The suspension hangers, main tees and cross tees shall be spaced as not to exceed the design ceiling load, or as required to prevent deflection, in excess of 1/360 of the span of cross tee or main tee.

Extra hangers are to be provided for light fittings and conditioning units etc.

All light fittings are to be supported on the main tee.



TESTING

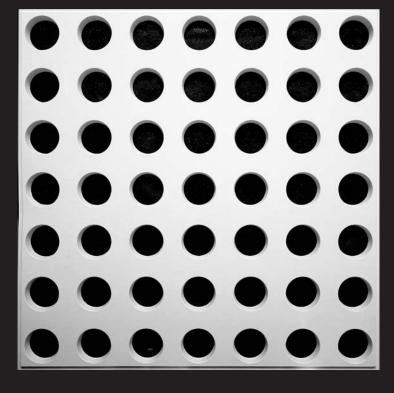
Plaster Acoustic Products have been tested for NRC in accordance with ASTM-C423-90A at CSIRO Melbourne, Australia with NATA accreditation.

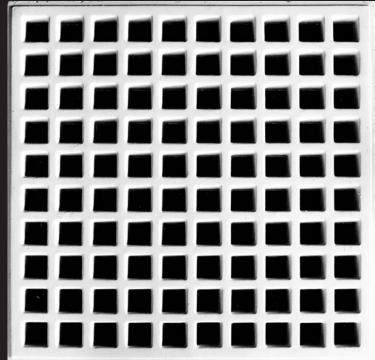
Plaster Products tested for Room to Room CAC have been tested in accordance with ASTM E1414 / E 1414M - 11A at Acoustic Laboratories Australia Pty Ltd, Perth, Western Australia.

Plaster Products tested for **Steady - State Thermal Transmission** properties by means of the Heat Flow Apparatus have been product tested in Melbourne, Australia at AWTA Product Testing. (ASTM-C518) 2010 Plaster Products tested for **Heat + Smoke** release have been tested in accordance with AS/NZS 3837 - 1998 and ISO 5660.1- 2002 (Cone Colorimeter Method) at AWTA Product Testing Melbourne, Australia.

TEST RESULTS

Craftstone Collectiom







CSIRO ACOUSTIC MEASUREMENT REPORT

Commonwealth Scientific and Industrial Research Organisation, Infrastructure Technologies Acoustics Testing Laboratory, Gate 5, 2 Normanby Road, Clayton, Vic 3168 Australia

Report No: AC262-02-1

Client:

Bailey Interiors Pty Ltd

83-85 Boundary Road, Mortdale, NSW 2223

Measurement Type: Sound Absorption

AS ISO 354-2006 "Acoustics-Measurement of sound absorption in a reverberation room" AS ISO 11654-2002 (ISO 11654:1997) "Acoustics-Rating of sound absorption-Materials and systems"

Test Specimen [Specimen area: 3.6 x 3.0 m (10.8 m²), Test Configuration4: Type E-400] Description: . Bailey "Casino" acoustic tile with black scrim backing, . in 600 mm grid

· with 20 mm Supertel glaswool behind

a] Bailey "Casino" acoustic tile: • perforated moulded plaster ceiling tiles, • with Pyrotek
Sorbertextile P44FR fabric stapled to the back of the panel, • designed to drop into a standard 600 x 600 mm suspended ceiling grid (actual tile size approx 585 mm square), • thickness: 25mm overall (19 mm behind ceiling tee), \bullet perforated with a set of 10 x 10 square holes with rounded comers, \bullet hole size 40 mm opening at the mouth, tapering to 36 mm at the rear, holes at 56 mm centres, \bullet open area percentage in standard grid installation: 35.8% (based on 36 mm throat opening; 44.2% based on 40 mm mouth opening).

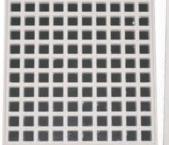
b] Bradford Supertel 20 mm: • 20 mm thick semi-rigid glasswool board (32 kg/m³), • no facing fabric, • supplied in 550 x 550 mm panels (factory-cut).

The test specimen was installed as an upside down ceiling on the floor of the chamber.

- A 400 mm deep enclosure (32 mm MDF timber, approx 23 kg/m²) was placed on the floor of the chamber, 12° off parallel with the walls. The enclosure was taped at all joints to prevent air leakage between the enclosed space and the outside.
- A system of steel wall studs/track was set up inside the enclosure to support the specimen panels. The cavity behind the panels was a single undivided cavity without internal partitions
- · A set of timber struts was installed in the metal support system to suspend the glasswool material litem bl immediately behind the perforated panels
- . Thirty (30) tiles [item a] were then installed (at 600 mm centres) against the glasswool. Longitudinal support members in the enclosure (positioned every 600 mm) masked a small portion of those perforations directly in front.
- . Tee sections were placed on top to cover the gaps between adjacent tiles and acoustically mimic a normal ceiling installation. At the perimeter of the test specimen, the gap between the enclosure and the edges of the tiles was covered with masking tape.
- · Specimen installation was carried out by laboratory staff



Test specimen installed for testing (image inverted to depict ceiling installation)





Panel details - Left: whole panel, Right: perforations (exposed black fabric behind)

Freq	Abso	rption coe	efficients	Reverberation times, T ₆₀ (sec)		
Hz	Ols	αp	95% Conf (δ)	Empty room	with Specimen	
100	0.33		0.09	5.73	3.54	
125	0.44	0.55	0.13	6.75	3.41	
160	0.82		0.08	6.87	2.40	
200	0.89		0.10	5.98	2.17	
250	0.82	0.85	0.07	5.22	2.15	
315	0.82		0.07	5.87	2.27	
400	0.70		0.06	5.98	2.50	
500	0.73	0.75	0.04	5.92	2.43	
630	0.87		0.06	5.72	2.16	
800	0.90		0.04	5.41	2.07	
1000	0.92	0.95	0.05	5.24	2.02	
1250	0.95		0.04	4.78	1.90	
1600	1.00		0.04	4.27	1.76	
2000	1.00	1.00	0.03	3.82	1.67	
2500	1.04		0.04	3.41	1.56	
3150	0.97		0.03	3.00	1.51	
4000	0.73	0.80	0.04	2.46	1.50	
5000	0.62		0.03	2.03	1.38	

0.6 0.4 O(s (1/3-Octave) 0.2 C(p (whole Octave) Cw 0.85 Reference line 0.0 125 250 500 1000 2000 Measurement Conditions

Performance Indices^{1,2} $\alpha_{W} = 0.85$ SAA = 0.89 NRC = 0.85

The required 12 spatially independent decay curves came from ensemble averaging 10 successive decays with each of 3 different source loudspeaker positions, all sampled by 4 fixed microphones, using linear averaging

Date of measurement: Temperature & humidity: Atmospheric pressure

Empty room 4 Oct 2019 1011 mBar

with Test Specimen 4 Oct 2019 17 °C, 53 % R.H. 1011 mBar

4000 Hz

Notes, Deviations etc

- Shape indicators (L, M, and H), if any, following the Ctw index, indicate C_p values above the reference contour by 4. ≥ 0.25 in the Low, Medium or High frequency ranges respectively; it is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve. 2. SAA and NRC are defined in ASTM C423; laboratory
- requirements for which differ from AS ISO 354.
- 3. Physical characteristics of materials may be as per client or supplier's advice; not necessarily verified by CSIRO.

1.2

1.0

0.8

The E-400 mounting designation is based on the distance from the rear of the cavity to the exposed face of the ceiling grid.

Issuing Authority

David Truett 8 October 2019

Instrumentation
Real time analyser. • Brüel & Kjær PULSE LAN-XI type 3160-A-4/2

Microphones/preamps: • 2 x GRAS type 40AP and 2 x B&K type 4134 microphones, all on B&K type 2669 preamps, in 4 fixed positions as per AS ISO 354 Noise source: • Room populated with three decahedron loudspeakers;

2 Norsonic NOR276 & 1 x B&K 4296), driven in turn by a

Norsonic NOR280 power amplifier Calibration: • Analyser: July 2018 (NATA cal)

Laboratory Construction

Reverb room: • 300 mm thick concrete (closed off from the adjoining room by an MDF Wall) • parallelepiped with dimensional proportions 1:1.3:1.6 for distribution of room modes • approx 202 m³ total room volume • approx 215 m² surface area excluding diffusers

Diffusers: • 20 stationary diffusers, approx 40 m² total surface area Absorption area: • in accordance with AS ISO 354, unless noted otherwise

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CSIRO ACOUSTIC MEASUREMENT REPORT

Commonwealth Scientific and Industrial Research Organisation, Infrastructure Technologies Acoustics Testing Laboratory, Gate 5, 2 Normanby Road, Clayton, Vic 3168 Australia

Report No: AC262-06-1

Client:

Bailey Interiors Pty Ltd

83-85 Boundary Road, Mortdale, NSW 2223

Measurement Type: Sound Absorption

· with 20 mm Supertel glaswool behind

AS ISO 354-2006 "Acoustics-Measurement of sound absorption in a reverberation room" AS ISO 11654-2002 (ISO 11654:1997) "Acoustics-Rating of sound absorption-Materials and systems"

Test Specimen [Specimen area: 3.6 x 3.0 m (10.8 m²), Test Configuration4: Type E-400] Description: • Bailey "Moon" acoustic tile with black scrim backing, • in 600 mm grid

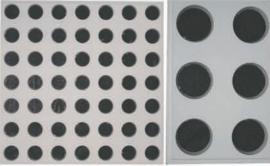
- Materials³
 a] Bailey "Moon" acoustic tile: perforated moulded plaster ceiling tiles, with Pyrotek Sorbertextile P44FR fabric stapled to the back of the panel, • designed to drop into a standard 600 x 600 mm suspended ceiling grid (actual tile size approx 587 mm square), • thickness: 15mm overall (12 mm behind ceiling tee), • perforated with a set of 7 x 7 circular holes, • hole size: 55 mm opening at the mouth, tapering to 53 mm at the rear, holes at 86 mm centres, • open area percentage in standard grid installation: 30.0% (based on 53 mm throat opening; 32.3% based on 55 mm mouth
- b] Bradford Supertel 20 mm: 20 mm thick semi-rigid glasswool board (32 kg/m³), no facing fabric, • supplied in 550 x 550 mm panels (factory-cut).

- The test specimen was installed as an upside down ceiling on the floor of the chamber.
- A 400 mm deep enclosure (32 mm MDF timber, approx 23 kg/m²) was placed on the floor of the chamber, 12° off parallel with the walls. The enclosure was taped at all joints to prevent air leakage between the enclosed space and the outside.
- · A system of steel wall studs/track was set up inside the enclosure to support the specimen panels. The cavity behind the panels was a single undivided cavity without internal partitions.
- · A set of timber struts was installed in the metal support system to suspend the glasswool material [item b] immediately behind the perforated panels
- . Thirty (30) tiles [item a] were then installed (at 600 mm centres) against the glasswool. Longitudinal support members in the enclosure (positioned every 600 mm) masked a small portion of those
- perforations directly in front.

 Tee sections were placed on top to cover the gaps between adjacent tiles and acoustically mimic a normal ceiling installation. At the perimeter of the test specimen, the gap between the enclosure and the edges of the tiles was covered with masking tape.
- · Specimen installation was carried out by laboratory staff.



Test specimen installed for testing (image inverted to depict ceiling installation)



Panel details - Left: whole panel, Right: perforations (exposed black fabric behind)

Measur	ement De	etails a	& Results			1.2							-
Freq	Abso	rption coe	efficients	Reverberation	times, T ₆₀ (sec)								
Hz	CKs	αp	95% Conf (δ)	Empty room	with Specimen	2000							
100	0.30		0.10	5.73	3.66	1.0							
125	0.46	0.50	0.12	6.75	3.34								
160	0.80		0.06	6.87	2.45								
200	0.83		0.07	5.98	2.27	0.8	×	X ·	×	X	-X-	~	_
250	0.75	0.80	0.08	5.22	2.28	253/502	. 7	X	1				
315	0.78		0.07	5.87	2.33							X	
400	0.63		0.06	5.98	2.65	0.6		/	X				-
500	0.69	0.70	0.03	5.92	2.53	0.0							××
630	0.80		0.05	5.72	2.28		•						
800	0.77		0.04	5.41	2.27		×						
1000	0.78	0.80	0.04	5.24	2.23	0.4	1						
1250	0.80		0.04	4.78	2.11	,							
1600	0.82		0.04	4.27	1.98								
2000	0.81	0.80	0.04	3.82	1.89	0.2				×	- Ots (1/3-0	ctave)	
2500	0.78		0.03	3.41	1.81					•	Co (whole	e Octave)	
3150	0.69		0.02	3.00	1.77					2	100000000000000000000000000000000000000	Reference I	ino
4000	0.56	0.60	0.03	2.46	1.68	0.0	tornam -	Omore .		- married			
5000	0.58	425529	0.04	2.03	1.45	87457.0	125	250	500	1000	2000	4	000 Hz
Performance	e Indices ^{1,2}								Mea	asurement Condit	tions		
$\alpha_{\rm W} = 0.75$ (L) The required		2 spatially independent decay curves came				Empty roor	n	with Test S	Specime				
SAA =	0.77	- 5	from ensemble a	averaging 10 successive decays with each of			Date of m	easurement.	4 Oct 2019	9	4 Oct 2	2019	
NRC =	0.75		3 different sou	rce loudspeake	r positions, all sam	pled by	1	Temperature	& humidity:	16 °C, 63 % F	R.H.	17 °C, 59	% R.H
number Seattle			microphones using linear averaging					ric pressure:	1011 mBa		1011 n		

Notes, Deviations etc

- Shape indicators (L, M, and H), if any, following the Ctw index, indicate C_{IP} values above the reference contour by 4. ≥ 0.25 in the Low, Medium or High frequency ranges respectively; it is strongly recommended to use this single number rating in combination with the complete sound absorption coefficient curve
- 2. SAA and NRC are defined in ASTM C423; laboratory requirements for which differ from AS ISO 354.
- 3. Physical characteristics of materials may be as per client or supplier's advice; not necessarily verified by CSIRO.
 - The E-400 mounting designation is based on the distance from the rear of the cavity to the exposed face of the ceiling grid.

Signed David Truett 8 October 2019

Instrumentation
Real time analyser. • Brüel & Kjær PULSE LAN-XI type 3160-A-4/2

Microphones/preamps: • 2 x GRAS type 40AP and 2 x B&K type 4134 microphones, all on

B&K type 2669 preamps, in 4 fixed positions as per AS ISO 354 Noise source: • Room populated with three decahedron loudspeakers:

2 Norsonic NOR276 & 1 x B&K 4296), driven in turn by a

Norsonic NOR280 power amplifier.

Calibration: • Analyser: July 2018 (NATA cal)

Laboratory Construction

Reverb room: • 300 mm thick concrete (closed off from the adjoining room by an MDF Wall) • parallelepiped with dimensional proportions 1:1.3:1.6 for distribution of room modes • approx 202 m3 total room volume approx 215 m² surface area excluding diffusers

Issuing Authority

Diffusers: • 20 stationary diffusers, approx 40 m² total surface area Absorption area: • in accordance with AS ISO 354, unless noted otherwise

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AWTA Product Testing

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client: Bailey Interiors

83-85 Boundary Road Mortdale NSW 2223 **Test Number** : 14-001048 **Issue Date** : 31/10/2014

Print Date : 1/10/2019

Sample Description Clients Ref : "New Shadex, Eco Check; Hush Tile; Shadex; Random"

White molded plaster ceiling tiles - pre insulated with glass fibre batt

Colour : White End Use : Ceiling tiles

Nominal Composition : Plaster/fibreglass

ASTM C518-2010 Steady-State Thermal Transmission Properties by Means of the Heat Flow Apparatus

Date of Testing 20/10/2014 Test Date 27/10/2014 **Test Apparatus** Lasercomp Fox 600 Sample Orientation Mean Test Temperature 23 °C Temperature Differential 20 Estimated uncertainty in results 3.9 Specimen 1 2 Specimen Thickness (as received) 40 39 Specimen Thickness (as tested) 40 39 mm

Specimen Density (as tested) 391 403 **Test Duration** 01:55 02:00 hrs:mins Measured Heat Flux 26.0 27.8 W/m² Measured Thermal Conductivity 0.0520 0.0544 Thermal Resistance 0.7 m²K/W 0.8

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Performance & Approvals Testing

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NATA

Accredited for compliance with ISO/IEC 17025 - Testing - Chemical Testing - Mechanical Testing

Accreditation No.
Accreditation No.
Accreditation No.

983 985 1356



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APPROVED SIGNATORY

MON

MICHAEL A. JACKSON B.Sc.(Hons

0204/11/06

AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400 Fax (03) 9371 2499

TEST REPORT

Client: Bailey Interiors

83-85 Boundary Road Mortdale NSW 2223 Test Number : 15-002457

Issue Date : 09/06/2015 Print Date : 29/06/2018

Replacement of Report dated:08/05/2018

Sample Description Clients Ref : "Shadex; Hush; Eco Check; New Shadex; Random; Casino; Open Cell; NUTR

2000 Super Diamond; Open Slot; Moon"

White molded plaster ceiling tiles

Colour: White

End Use: Acoustic paneling

Nominal Composition: Plaster

Nominal Thickness: 28mm

ISO 5660.1-2002 Reaction to Fire Tests - Heat Release Smoke Production and Mass Loss Rate Part 1: Heat

Release Rate (Cone Calorimeter Method)

Specimen

1 2 3 Mean fti fti fti kW/m² 1 1 1

(In Accordance with New Zealand Building Code Verification Method C/VM2 Appendix A)

Average Specific extinction area 0.2 0.1 1.4 0.6 m²/kg

Test orientation : Horizontal

Average Heat Release Rate

Group Number Classification

Specimen Mean 1 2 3 kW/m² 50 50 50 50 Irradiance Exhaust flow rate 24 24 24 24 L/sec fti fti fti fti Time to sustained flaming sec 1800 1800 1800 1800 Test duration

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Accredited for compliance with ISO/IEC 17025 - Testing

Mechanical Testing
 Performance & Approvals Testing

: Accreditation No. : Accreditation No. : Accreditation No. 983 985 1356

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MICHAEL A. JACKSON B.Sc. (Hons

0204/11/06

AWTA Product Testing

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing A.B.N 43 006 014 106

1st Floor, 191 Racecourse Road, Flemington, Victoria 3031 P.O Box 240, North Melbourne, Victoria 3051 Phone (03) 9371 2400

TEST REPORT

Client: Bailey Interiors

83-85 Boundary Road Mortdale NSW 2223 Test Number : 1 Issue Date : 4

Print Date

19-007603 4/02/2020 4/02/2020

Sample Description

Clients Ref:

"Shadex, Hush, Eco Check, New Shades, Random, Casino, Open Cell, Nut R2000,

Super Diamond, OpenSlot, Moon"

Moulded Plaster Ceiling Tiles

Dimensional Stability

Date of Testing 04/02									
Change In	Length (%)	Width (%)	Thickness (%)						
Specimen									
1	0.0	0.0	0.0						
2	0.0	0.0	0.0						
3	0.0	0.0	0.0						
Mean	0.0	0.0	0.0						

Tested conditions: 168 hours at 50degC and 95% Relative Humidity Observation: After exposure no change in dimension and appearance

192823 41504

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APPROVED SIGNATORY



MICHAEL A. JACKSON B.Sc.(Hons

0205/11/06





83 Boundary Road (PO Box 78) Mortdale NSW 2223

ABN 36 003 722 665

T 612 9153 9326 F 612 9534 6532

E sales@baileyinteriors.com.au W www.baileyinteriors.com.au

7 October 2015

Northern Territory Government Department of Infrastructure Level 5 Highway House Palmerston Circuit P O Box 61 Palmerstone N T 0831

Attention: Kurt Leerburg

"ACOUSTIC CEILING PRODUCTS AS PROJECT SPECIFIC FACTORY DIRECT PACKAGES "
"INCLUSIVE GRID WITH WARRANTY"

Australian Plaster Acoustics has been developing these plaster tiles in conjunction with its parent company Bailey Interiors for the last 5 years.

The organisation has a strong commitment to innovation with major research and development programmes resulting in producing outstanding designs that are truly innovative, lightweight exceptionally high acoustic ratings (NRC) (CAC) and R values. The tiles are fire resistant, pre painted with anti mould paint, will not warp or buckle under humid conditions.

Big innovations have been

- The reduction in weight of each tile bringing overall weight down from approx. 19.50
 Kilos m2 12.75 kilos m2(in most cases) this has resulted in being able to use a
 lighter grid for installation as per Rondo Design confirmation REF 4562-15-001.
- 2) The introduction of silicone rubber moulds this has made it possible to create very strong, clean, and sharply designed undercut ceiling tiles which are truly innovative this has only been possible with our strong commitment to R & D.

Australian Plaster Acoustics warrants all plaster products in conjunction with Rondo grid systems from the date of purchase for a period of 10 years.

This warranty does not apply to damage caused by

- 1) Normal wear and tear.
- The fitting of components not supplied by Australian plaster Acoustics /Bailey Interiors or Rondo.
- 3) Repair , Maintenance or service by a person not authorised by Rondo /Bailey Interiors

We Rondo and Bailey Interiors are jointly marketing these products, plaster acoustic tiles and ceiling grid as a package directly to the builder after nomination from the Department of Infrastructure.

Yours Faithfully, Bailey Interiors Pty Ltd

> Roger Bailey Managing Director Phone 02 91539326 Fax 0295346532

Email: roger@baileyinteriors.com.au

Rondo Building Services Pty Limited
ABN 69 000 289 207

NATIONAL 57-B7 Lockwood Rd, Erskine Park,NSW, 2759 (PO Box 324 St Marys NSW 1790) TEL (02) 9912 7300 FAX: (02) 9912 7310

CUSTOMER SERVICE HOTLINE 1300-36-RONDO (1300-36-7663)

www.rondo.com.au

To whom It may concern

Rondo Building Services is Australasia's largest manufacturers of roll formed lightweight steel building products for internal and external use, from steel stud and track drywall systems to building board finishing sections and from exposed and concealed ceiling systems to access panels and other ancillary products.

Rondo has been producing product to serve the building industry for over 50 years and not only has manufacturing facilities in Australia but also New Zealand, Malaysia and India as well as JV's elsewhere.

During that period Bailey Interiors manufacturers of Australian Plaster Acoustics panels has been a valued customer of Rondo.

Rondo has been pleased to partner with Bailey Interiors in the development of its innovative plaster acoustic panels by providing specification assistance in the use of the Rondo Duo^R Exposed Ceiling Grid System in conjunction with their panels, thereby ensuring their clients have a code compliant suspended ceiling grid system to support their plaster acoustic ceiling panels.

Steve Jupp

Product & Innovation Manager Rondo Building Services Pty Ltd

AUSTRALIA . NEW ZEALAND . MALAYSIA . MIDDLE EAST . INDOCHINA





TO WHOM IT MAY CONCERN

Gyprock provides a comprehensive range of high performance plasterboard wall and ceiling lining solutions across all segments of the construction industry. Gyprock is also a supplier of casting plaster used in the manufacture of cast plaster products and decorative cornices. Gyprock is one of the many companies owned and operated by CSR Limited, one of Australia's oldest and most respected public companies founded in Sydney in 1855 as the Colonial Sugar Refining Company.

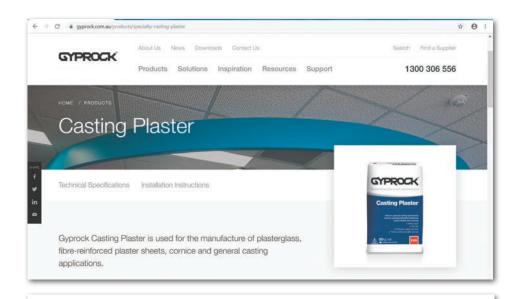
When Gyprock opened its Concord Plaster Mills in 1942, it soon became a supplier of casting plaster to Ernest Alfred Bailey who had established E. A. Bailey & Sons Pty Ltd in Boundary Road, Mortdale in 1938. Since that initial supply, Gyprock has maintained its long association with the Bailey family and continues today to supply its casting plaster to Bailey Interiors.

Over that time, Bailey Interiors has grown in significance to become the largest supplier of all types of architectural plaster products in Sydney and one of Gyprock's major customers for casting plaster. Bailey Interiors has always employed continuously innovative approaches to the manufacture of cast plaster products and demonstrates considerable expertise in moulding and casting from simple to complex shapes.

For over 80 years, CSR has manufactured glasswool insulation under the Bradford brand. Bradford is a supplier of insulation batts and acoustic fabrics used by Bailey Interiors in the manufacture of their exceptionally high performing plaster acoustic ceiling tiles namely for NRC and CAC.

CSR Building Products Limited ABN 55 008 631 356
Commercial Design Centre 7 Slough Avenue Silverwater NSW 2128
Mobile: 0419 477 359 Telephone: 02 8748 1450
Facsimile: 02 8748 1488 Email: aveling@csr.com.au









TO WHOM IT MAY CONCERN

Gyprock manufactures and supplies a comprehensive range of high performance plasterboard wall and ceiling lining solutions across all segments of the construction industry. Gyprock is one of the many companies owned and operated by CSR Limited, one of Australia's oldest and most respected public companies founded in Sydney in 1855 as the Colonial Sugar Refining Company.

Gyprock is the major supplier of casting plaster used by Australian Plaster Acoustics in the manufacture of their innovative plaster acoustic tiles. These exceptionally high performing plaster acoustic ceiling tiles are manufactured at Bailey Interiors' modern facility utilising the latest, innovative plaster tile manufacturing process. Gyprock has been a casting plaster supplier to Bailey Interiors for over 75 years.

CSR also manufactures Bradford glasswool insulation. Bradford is a supplier of insulation batts and acoustic fabrics used by Australian Plaster Acoustics. The resulting range of plaster acoustic tiles have exceptionally high performing acoustics for NRC and CAC with a modern architectural appearance.

Gyprock and Bradford are proud to be associated with Australian Plaster Acoustics and we feel confident that, based on our long association, Australian Plaster Acoustics will provide a high level of product quality, reliable service, trusted performance and industry compliance associated with their large range of plaster acoustic tiles.

VIVES .

Antoine Veling NSW Commercial Segment Manager CSR Lightweight Systems

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Commercial Design Centre 7 Slough Avenue Silverwater NSW 2128
Mobile: 0419 477 359 Telephone: 02 8748 1450
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MATERIAL SAFETY DATA

Product Name: FBS-1 Glasswool Insulation

is classified as **Non-Hazardous** according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances. FBS-1 Glasswool Insulation is classified as **Non-Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

- Full test results of each product for acoustic NRC can be viewed online at www.australianplasteracoustics.com.au.
- All ceiling grid and steel support systems by Rondo can be viewed from PDF files on request.
- All acoustic test are NATA approved

DISCLAIMER

Products manufactured and systems designed by Bailey Interiors are produced in accordance with the building code of Australia and New Zealand Building Code and also relevant Australia and New Zealand standards.

All acoustic testing for NRC - (Noise Reduction Coefficients) was carried out in accordance with these standards at RMIT University, Melbourne, Australia and CSIRO, Melbourne, Australia.

All sharing common ceiling testing CAC - (Ceiling Attenuation Class) was also carried out in accordance to Australian and New Zealand standards at Acoustic Laboratories Australia Pty Ltd.

All fire resistance Group 1, thermal resistance testing were also carried out to the latest Australian and New Zealand standards at AWTA a product testing in Melbourne, Australia.

All light reflective tests carried out by Light Lab International, QLD Australia in accordance with NATA accreditation.

All these products received excellent results in all instances they were tested in true laboratory situations which may differ to readings recorded on site.

Australian Plaster Acoustics will not be held responsible for any claims resulting from installation of its products not in accordance with manufacturers recommendations or relevant Australian and New Zealand standards.

Bailey Interiors has been supplying the building and architectural industry with the finest quality acoustic tiles for nearly eighty years. The Acoustic Tile Range features outstanding quality, elegant style, finish and functionality.

Green Product Sheet

Made to last a lifetime

Bailey Interiors Architectural products are made of the finest Gypsum. They have timeless features and built for longevity.

Made of natural Gypsum

Bailey Interiors Architectural products are a unique blend of at least 75% naturally occurring Gypsum.

Energy and water-efficient

Bailey Interiors Architectural products are more energy and water-efficient than alternative acrylic and resin based products. Bailey Interiors have installed a unique water recycling process whereby excess water from the production runs are recycled and used again in further production. The high Gypsum content also outperforms acrylic, which quickly dissipates water heat, resulting in reduced use of water.

Minimal manufacturing impact

Bailey Interiors Architectural products are created by a combination of machine made and hand made production methods. This combination allows for a better quality product as compared with acrylic, and composite products.

Bailey Interior's Architectural products also use significantly less energy than electrically high – heat ovens. They use a combination of natural drying and gas operated ovens.

Additionally Bailey Interiors Architectural products are hand finished by craftsmen, further reducing reliance on non renewable resources.

Minimal impact on the environment

Bailey Interiors Architectural Products are made of the finest Gypsum.

Bailey Interiors have installed two filtration units on top of the bulk silo bin. These units absorb any excess plaster dust from going in to the atmosphere whilst the plaster silo is being loaded with plaster which is pumped by compressed air from the bulk plaster truck. These filtration units allow for the air to remain clean and clear which does not impact on the environment.

Recycled Shipping

Bailey Interiors Architectural products are shipped on pallets made of reclaimed wood, with strapping made from recycled bottles.

Recycled Waste Plaster

Bailey Interiors have a special method of recycling excess casting plaster and fibre glass reinforcement. This material is transported form Bailey's current work place to be recycled as part of road base material.

Customers who choose Bailey Interiors Architectural products know they are making an environmentally good choice because they are making a purchase lasting a lifetime.





Australian Plaster Acoustics Pty Ltd ABN 69 610 255 242

Visit our showroom at

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