

Appendix B

Measurement Traffic Noise Results



QE09_0343
Parramatta Mixed Use
Traffic Noise

SVAN 949 - Type 1 Environmental Noise Logger
Logger Serial Number

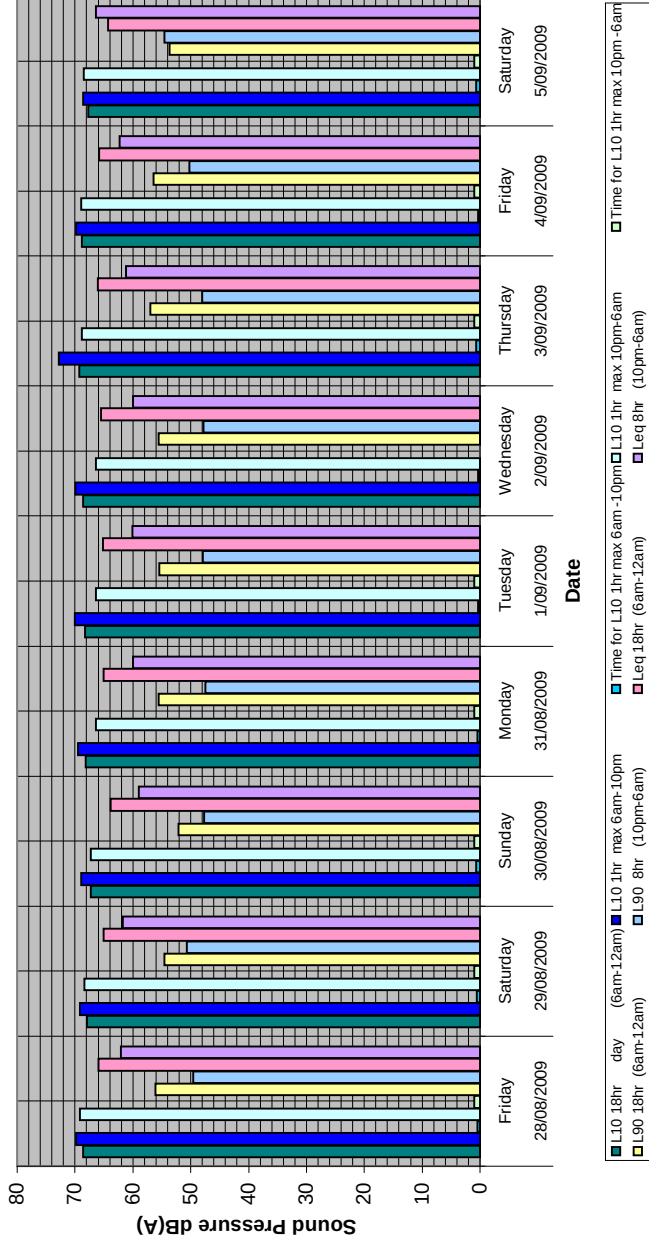
Measurement started at 27/08/2009 9:34
Measurement stopped at 6/09/2009 17:07

Frequency Weighting A
Time Averaging Fast
Statistical Interval 15 minutes
Auxiliary Power Disabled
Tape Recorder Disabled
Short Term Leq Disabled
Short Term Leq Length N/A
Start Trigger N/A
Stop Trigger N/A
Master Timer N/A
Sub Timer N/A

Pre-measurement Reference 93.9
Post-measurement Reference 94
Engineering Units dB SPL

Use for average	Date	Day	L10 18hr day (6am-12am)	L10 1hr max 6am-10pm	Time for L10 1hr max 6am - 10pm	L10 1hr max 10pm-6am	Time for L10 1hr max 10pm - 6am	L90 18hr (6am-12am)	L90 8hr (10pm-6am)	Leq 18hr (6am-12am)	Leq 8hr (10pm-6am)
✓	28/08/2009	Friday	69	70	9:45	69	23:45	56	50	66	62
✓	29/08/2009	Saturday	68	69	13:45	68	22:45	55	51	65	62
✓	30/08/2009	Sunday	67	69	16:45	67	22:45	52	48	64	59
✓	31/08/2009	Monday	68	70	11:45	66	22:45	56	48	65	60
✓	1/09/2009	Tuesday	68	70	8:45	66	22:45	55	48	65	60
✓	2/09/2009	Wednesday	69	70	8:45	66	0:45	56	48	65	60
✓	3/09/2009	Thursday	69	73	15:45	69	22:45	57	48	66	61
✓	4/09/2009	Friday	69	70	8:45	69	22:45	56	50	66	62
✓	5/09/2009	Saturday	68	69	15:45	69	22:45	54	55	64	66
AVERAGE			68	70		68		55	49	65	61

Summary Chart



Appendix C

SoundPLAN Calculation Results

	Macquarie Place Assessed receiver levels - Validation	
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Name	Receiver Height (m)	SPL L10(18-hour) dB(A)
Validation	1. 2	65.9

26/10/2009 4:21 PM		Page 1
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Name	Floor	Dir	SPL (7:00am-10:00pm) Leq (1hour) dB(A)
Level 10-20	10. Floor	W	56.0
Level 10-20	11. Floor	W	56.0
Level 10-20	12. Floor	W	56.0
Level 10-20	13. Floor	W	55.9
Level 10-20	14. Floor	W	55.9
Level 10-20	15. Floor	W	55.8
Level 10-20	16. Floor	W	55.8
Level 10-20	17. Floor	W	55.8
Level 10-20	18. Floor	W	55.8
Level 10-20	19. Floor	W	55.8
Level 10-20	20. Floor	W	55.8
Level 10-20	10. Floor	S	62.4
Level 10-20	11. Floor	S	62.2
Level 10-20	12. Floor	S	61.9
Level 10-20	13. Floor	S	61.7
Level 10-20	14. Floor	S	61.4
Level 10-20	15. Floor	S	61.2
Level 10-20	16. Floor	S	60.9
Level 10-20	17. Floor	S	60.7
Level 10-20	18. Floor	S	60.4
Level 10-20	19. Floor	S	60.2
Level 10-20	20. Floor	S	60.0
Level 10-20	10. Floor	N	63.1
Level 10-20	11. Floor	N	62.8
Level 10-20	12. Floor	N	62.4
Level 10-20	13. Floor	N	62.1
Level 10-20	14. Floor	N	61.8
Level 10-20	15. Floor	N	61.5
Level 10-20	16. Floor	N	61.2
Level 10-20	17. Floor	N	60.9
Level 10-20	18. Floor	N	60.6
Level 10-20	19. Floor	N	60.4
Level 10-20	20. Floor	N	60.1
Level 10-20	10. Floor	E	68.8
Level 10-20	11. Floor	E	68.5
Level 10-20	12. Floor	E	68.2
Level 10-20	13. Floor	E	67.9
Level 10-20	14. Floor	E	67.6
Level 10-20	15. Floor	E	67.3
Level 10-20	16. Floor	E	67.0
Level 10-20	17. Floor	E	66.7
Level 10-20	18. Floor	E	66.4

Name	Floor	Dir	SPL (7:00am-10:00pm) Leq (1hour) dB(A)
Level 10-20	19. Floor	E	66.2
Level 10-20	20. Floor	E	65.9
Level 21-24	21. Floor	W	56.4
Level 21-24	22. Floor	W	56.3
Level 21-24	23. Floor	W	56.1
Level 21-24	24. Floor	W	55.9
Level 21-24	21. Floor	S	40.3
Level 21-24	22. Floor	S	42.5
Level 21-24	23. Floor	S	45.1
Level 21-24	24. Floor	S	48.0
Level 21-24	21. Floor	N	59.8
Level 21-24	22. Floor	N	59.6
Level 21-24	23. Floor	N	59.3
Level 21-24	24. Floor	N	59.1
Level 21-24	21. Floor	E	65.6
Level 21-24	22. Floor	E	65.4
Level 21-24	23. Floor	E	65.2
Level 21-24	24. Floor	E	64.9
Level 25	25. Floor	S	40.8
Level 25	25. Floor	W	45.2
Level 25	25. Floor	N	48.0
Level 25	25. Floor	E	50.3
Level 3	3. Floor	E	64.8
Level 3	3. Floor	N	64.9
Level 3	3. Floor	W	48.5
Level 3	3. Floor	S	66.4
Level 4-9	4. Floor	W	53.3
Level 4-9	5. Floor	W	55.1
Level 4-9	6. Floor	W	55.8
Level 4-9	7. Floor	W	56.1
Level 4-9	8. Floor	W	56.2
Level 4-9	9. Floor	W	56.2
Level 4-9	4. Floor	S	67.7
Level 4-9	5. Floor	S	67.4
Level 4-9	6. Floor	S	67.0
Level 4-9	7. Floor	S	66.6
Level 4-9	8. Floor	S	66.2
Level 4-9	9. Floor	S	65.9
Level 4-9	4. Floor	N	65.0
Level 4-9	5. Floor	N	65.0
Level 4-9	6. Floor	N	64.6

Name	Floor	Dir	SPL (7:00am-10:00pm) Leq (1hour) dB(A)
Level 4-9	7. Floor	N	64.2
Level 4-9	8. Floor	N	63.9
Level 4-9	9. Floor	N	63.5
Level 4-9	4. Floor	E	62.2
Level 4-9	5. Floor	E	67.8
Level 4-9	6. Floor	E	69.5
Level 4-9	7. Floor	E	69.7
Level 4-9	8. Floor	E	69.5
Level 4-9	9. Floor	E	69.2

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Name	Floor	Dir	SPL (7:00am-10:00pm) Leq (1hour) dB(A)
Level 10-20	10. Floor	W	48.7
Level 10-20	11. Floor	W	48.7
Level 10-20	12. Floor	W	48.7
Level 10-20	13. Floor	W	48.6
Level 10-20	14. Floor	W	48.6
Level 10-20	15. Floor	W	48.5
Level 10-20	16. Floor	W	48.5
Level 10-20	17. Floor	W	48.5
Level 10-20	18. Floor	W	48.5
Level 10-20	19. Floor	W	48.5
Level 10-20	20. Floor	W	48.5
Level 10-20	10. Floor	S	55.1
Level 10-20	11. Floor	S	54.8
Level 10-20	12. Floor	S	54.6
Level 10-20	13. Floor	S	54.3
Level 10-20	14. Floor	S	54.1
Level 10-20	15. Floor	S	53.9
Level 10-20	16. Floor	S	53.6
Level 10-20	17. Floor	S	53.4
Level 10-20	18. Floor	S	53.1
Level 10-20	19. Floor	S	52.9
Level 10-20	20. Floor	S	52.6
Level 10-20	10. Floor	N	55.8
Level 10-20	11. Floor	N	55.5
Level 10-20	12. Floor	N	55.1
Level 10-20	13. Floor	N	54.8
Level 10-20	14. Floor	N	54.5
Level 10-20	15. Floor	N	54.2
Level 10-20	16. Floor	N	53.9
Level 10-20	17. Floor	N	53.6
Level 10-20	18. Floor	N	53.3
Level 10-20	19. Floor	N	53.0
Level 10-20	20. Floor	N	52.8
Level 10-20	10. Floor	E	61.5
Level 10-20	11. Floor	E	61.2
Level 10-20	12. Floor	E	60.9
Level 10-20	13. Floor	E	60.6
Level 10-20	14. Floor	E	60.3
Level 10-20	15. Floor	E	60.0
Level 10-20	16. Floor	E	59.7
Level 10-20	17. Floor	E	59.4
Level 10-20	18. Floor	E	59.1

Name	Floor	Dir	SPL (7:00am-10:00pm) Leq (1hour) dB(A)
Level 10-20	19. Floor	E	58.8
Level 10-20	20. Floor	E	58.6
Level 21-24	21. Floor	W	49.1
Level 21-24	22. Floor	W	48.9
Level 21-24	23. Floor	W	48.8
Level 21-24	24. Floor	W	48.6
Level 21-24	21. Floor	S	32.9
Level 21-24	22. Floor	S	35.2
Level 21-24	23. Floor	S	37.8
Level 21-24	24. Floor	S	40.7
Level 21-24	21. Floor	N	52.5
Level 21-24	22. Floor	N	52.3
Level 21-24	23. Floor	N	52.0
Level 21-24	24. Floor	N	51.8
Level 21-24	21. Floor	E	58.3
Level 21-24	22. Floor	E	58.1
Level 21-24	23. Floor	E	57.8
Level 21-24	24. Floor	E	57.6
Level 25	25. Floor	S	33.5
Level 25	25. Floor	W	37.9
Level 25	25. Floor	N	40.6
Level 25	25. Floor	E	42.9
Level 3	3. Floor	E	57.5
Level 3	3. Floor	N	57.4
Level 3	3. Floor	W	41.1
Level 3	3. Floor	S	58.6
Level 4-9	4. Floor	W	46.0
Level 4-9	5. Floor	W	47.8
Level 4-9	6. Floor	W	48.5
Level 4-9	7. Floor	W	48.8
Level 4-9	8. Floor	W	48.9
Level 4-9	9. Floor	W	48.9
Level 4-9	4. Floor	S	60.0
Level 4-9	5. Floor	S	59.8
Level 4-9	6. Floor	S	59.5
Level 4-9	7. Floor	S	59.2
Level 4-9	8. Floor	S	58.9
Level 4-9	9. Floor	S	58.5
Level 4-9	4. Floor	N	57.5
Level 4-9	5. Floor	N	57.6
Level 4-9	6. Floor	N	57.2

Name	Floor	Dir	SPL (7:00am-10:00pm) Leq (1hour) dB(A)
Level 4-9	7. Floor	N	56.9
Level 4-9	8. Floor	N	56.5
Level 4-9	9. Floor	N	56.2
Level 4-9	4. Floor	E	54.8
Level 4-9	5. Floor	E	60.5
Level 4-9	6. Floor	E	62.2
Level 4-9	7. Floor	E	62.4
Level 4-9	8. Floor	E	62.2
Level 4-9	9. Floor	E	61.9

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9 March 2010

Crown Landmark Pty Ltd
Level 11, 68 Alfred Street
MILSONS POINT, NSW 2061

ATTENTION: MR RUSSEL STRAHLE

Dear Sir,

RE: MACQUARIE PLACE MIXED USE DEVELOPMENT

VDM Consulting (Acoustics) have reviewed the current drawings for the project as follows: -

EA2.07(03) – Level 0 Plan
EA2.08(02) – Level 1 Plan
EA2.09(02) – Level 2 Plan
EA2.10(02) – Level 3 Plan
EA2.11(02) – Level 4 Plan
EA2.12(02) – Level 5 Plan
EA2.13(02) – Level 6 Plan
EA2.14(02) – Level 7 - 9 Plan
EA2.15(03) – Level 10 - 19 Plan
EA2.16(04) – Level 20 Plan
EA2.17(04) – Level 21 Plan
EA2.18(04) – Level 22 Plan
EA2.19(04) – Level 23 Plan
EA2.20(01) – Level 24 Plan
EA2.21(04) – Level 25 Plan

In accordance with Section F5 (Sound Transmission and Insulation) of Building Code of Australia 2009 (BCA 09) "marked up" versions of these drawings have been prepared to identify walls of differing acoustic ratings required for the project.

CLASSIFICATION UNDER BCA 09

The proposed building is classified as "Class 2" – A class 2 building is one which includes more than one dwelling, each of which is generally solely occupied by one or more people to the exclusion of others.

Sound reduction properties of Building Elements within Class 2 Building:

1. FLOORS

BCA 09 REQUIREMENTS

A floor in a Class 2 building must have an R_{w+Ctr} (Airborne) of not less than 50 and an $L_{n,w+Cl}$ impact not more than 62 if it separates:

- a. Sole Occupancy Units or;
- b. A sole occupancy unit from a plantroom, lift shaft, stairway, public corridor, public lobby or the like, or parts of different classification.

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Typically floors consisting of 200mm thick concrete slabs with carpet on underlay are deemed to satisfy these requirements.

Any tiled floor areas however will not comply with the BCA 09 requirement " $L_{nT,w} + C_i$ of not more than 62 without additional consideration to transfer of impact noise from one sole occupied unit to the one below.

In order to comply it will be necessary for the tiles to be laid on resilient bedding similar to products manufactured by "Regupol".

A general product brochure regarding these products is provided in Appendix A.

2. WALLS

BCA 09 REQUIREMENTS

A wall in a Class 2 Building must have:

- An R_{w+Ctr} of not less than 50 (airborne) if it separates sole occupancy units and;
- An R_w of not less than 50 if it separates a sole occupancy unit from a plantroom, lift shaft, stairway, public corridor, public lobby or the like or parts of a different classification and;
- Must also be of discontinuous construction if it separates a bathroom, laundry or kitchen in one sole occupancy unit from a habitable room in an adjoining unit or;
- A sole occupancy unit from a plantroom or lift shaft.

Wall Type "Yellow"

Wall type "Yellow" must have an R_{w+Ctr} (airborne) rating of not less than 50 and be of discontinuous construction. Discontinuous construction meaning that the wall provides for a minimum 20mm cavity between two separate leaves.

Wall Type "Red"

Wall type "Red" must have an $R_w + C_{tr}$ rating of not less than 50.

Services must not be chased into the concrete element of the wall. If a services cavity is required the wall should include:

- Furring channels not less than 28mm deep fixed to concrete element;
- Cavity filled with fibreglass insulation; and
- One layer 16mm plasterboard (waterproof material for wet areas) fixed to furring channels.

All fixed to both sides of the concrete element.

Wall Type "Green"

Wall type "Green" must have an R_w rating of not less than 50.

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3. DOORS

BCA 09 REQUIREMENTS

In a Class 2 building a door must have an R_w rating of not less than 30 if it separates a sole occupancy unit from a public corridor, stairway, public lobby or the like.

In order to satisfy the BCA 09 requirements, entry doors must be fitted with acoustic seals. Examples of complying door arrangements:

- 35 mm Solid Core Door with Raven (or similar) seals
 1. with fully mortised Raven RP 8 bottom seal and RP10 perimeter seals or:
 2. with fully mortised Raven RP 99 bottom seal and RP10 perimeter seals or:
 3. with face mounted Raven RP 99 bottom seal and RP10 perimeter seals or:
 4. with fully mortised Raven RP 99 bottom seal and RP93Si perimeter seals.

Excerpts from Raven Product door seal catalogue are included as Appendix C.

4. SERVICES

If a duct, soil, waste or water supply pipe that is located in a wall or floor cavity, serves or passes through more than one sole occupancy unit, the duct or pipe must be separated from the rooms of any sole occupancy unit by construction with an R_{w+Ctr} (airborne) rating not less than:

- (a) 40 if the adjacent room is a habitable room (other than a kitchen); or
- (b) 25 if the adjacent room is a kitchen or non habitable room.

If a stormwater pipe passes through a sole occupancy unit it must be separated as indicated above.

5. OTHER CONSIDERATIONS

THEATRE, LIBRARY & GYM

A theatre, library and gymnasium are located on Level Two. Whilst it is not a requirement of the BCA it is recommended in the interest of good acoustic outcomes that the walls of these areas be of R_{w+Ctr} 50 discontinuous construction.

Similarly the dividing walls between the store/plant room and the commercial space on level one and the dividing wall between the cafe' and archaeological centre on ground level should preferably also be of discontinuous construction.

CARPARK EXHAUST

The development includes several levels of underground parking floors. A suitably designed carpark exhaust system consisting of supply and exhaust fans will be required to ventilate these areas. Further acoustic design is required to ensure acceptable noise levels both on the carpark side of the system as well as the environmental discharge side.

Internal carpark noise levels must not exceed 65dB(A) while the air inlet and discharge external noise levels will be required to satisfy relevant authorities. Further consideration will be given to this aspect of the building's design when fan selections for the system are confirmed.

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TOILET EXHAUST SYSTEM

Depending on their proposed location and the system layout the toilet exhaust ventilation fans may require attenuation to satisfy both internal and external noise criteria.

GARBAGE SHUTE

It is recommended that the garbage chute be isolated from the building structure by resilient rubber mounts.

RESTAURANT KITCHEN EXHAUST SYSTEM

It is assumed that any cafe'/restaurant to be included in the development will include a kitchen exhaust system. Further analysis of the design of this system will be required to insure that the internal and external acoustic amenity is maintained.

We trust that this report and its recommendations are satisfactory. Should further information be required please do not hesitate in contacting our office.

Yours faithfully,



Robert Blackhall
Manager – Mechanical & Bldg. Services Noise Control

Acoustic Engineering

Appendix A

Regupol Brochure

Acoustic Engineering



Burchill VDM Pty Limited ABN: 89 010 140 495 ACN: 010 140 495
3rd Floor Evandale Place, 142 Bundall Road, Surfers Paradise QLD 4217, PO Box 5017, Gold Coast MC QLD 9726
P: +61 7 5574 0511 F: +61 7 5574 0011 E: burchillvdm@vdmgroup.com.au W: www.burchillvdm.com.au

BRISBANE GOLD COAST BEENLEIGH AIRLIE BEACH MACKAY PERTH



Soundproofing Tiled Floors

CONSTRUCTION

Regupol®

*Regupol® Acousti-Tile Direct
Stick Acoustic Tiling System*



Regupol
(Australia) Pty. Ltd.

The Entire System in One Order

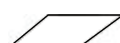


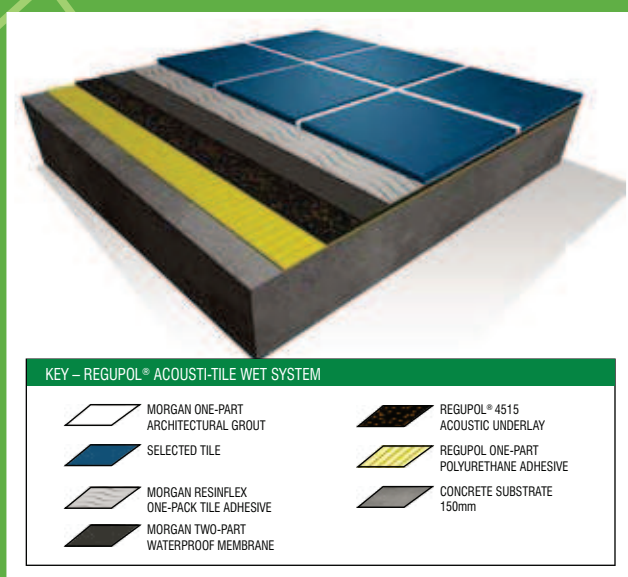
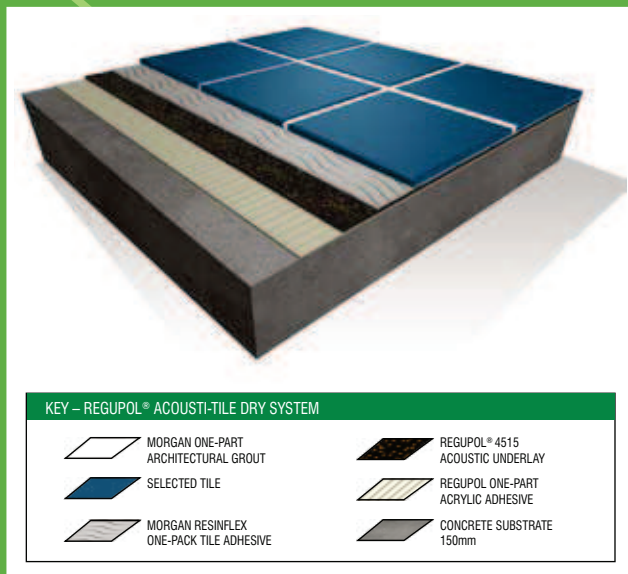
To ensure smooth installation processes, all components of the Regupol® Acousti-Tile System are supplied together in one delivery. Regupol® Acousti-Tile is built on its benefits and is fully supported by some of Australia's leading design and construction companies... not excluding our industry colleagues and tradespeople.

 Regupol® 4515 is a high density underlay which delivers high tensile strength and exceptional acoustic performance. Prefabricated in sheets or rolls, Regupol® 4515 acoustic underlay offers guaranteed thickness, density and long term performance without ageing or collapsing, making it a sound sub-base for any hard floor finish.

  Regupol® 4515 is adhered to the substrate using our own exclusive range of environmentally influenced, Green Star IEQ-13 certified One Part adhesives for both wet and dry installations.

 Resinflex One Pack is a highly engineered flexible tile adhesive with added acoustic benefits. It achieves excellent bond strength with any selected tiled floor finish directly over the Regupol® 4515 acoustic underlay.

 Architectural Superior Flexgrout is formulated for tile joints up to 6mm wide. It is flexible, colourfast, durable and resists common moulds.





Need to Compare Us?

Like you, Regupol sets high standards in every aspect of our products and systems, and Regupol® Acousti-Tile is no exception. We've worked hard to meet every requirement of our industry standards, codes, authorities, governing bodies and councils to ensure the complete satisfaction and peace of mind of our entire customer base. We ensure that everything we do is independently tested to match or exceed any performance criteria set before us.

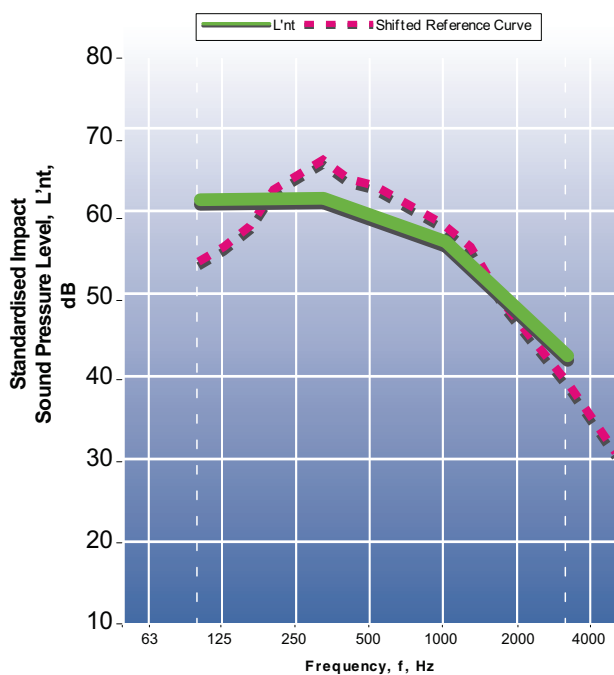
What you might need to comply?	Regupol Acousti-Tile	Compare us
Complies with BCA Part F5.2...Impact Sound Insulation	✓	
Complies with BCA Part F5.3...Impact Sound Insulation	✓	
Complies with AS 4492 (Int.) Tiling Standard	✓	
Complies with AS 3958.1-2007 Ceramic Tiles	✓	
Complies with AS 3740-2004 Waterproofing Standard	✓	
Complies with AS1884-1985 Floor Coverings Resilient	✓	
Complies with Green Star IEQ-13: Volatile Organic Compounds (VOC) requirements	✓	
Tested to AS ISO 717-2.1996: Part 2: ISO 140 Rating of sound insulation in buildings and of building elements – Part 2: Impact sound insulation	✓	
Tested to ISO140-6.2004: Part 6: Laboratory measurement of impact sound insulation of floors	✓	
Tested to ISO140-7.2004: Part 7: Field measurements of impact sound insulation of floors	✓	
Tested to ISO140-8.2004: Part 8: Laboratory measurements of the reduction of transmitted impact noise by floor covering on a standard floor	✓	
Tested to ASTM E989-89 (1999): Standard Classification for Determination of Impact Sound Insulation Class (IIC)	✓	
Low construction height and low system weight	✓	
Suitable for use with most underfloor heating systems	✓	
Manufactured under environmentally-friendly policies and certified to DIN EN ISO 14001:2004 and DIN EN ISO 9001:2000 Management Systems	✓	
Guaranteed high quality, exact material thickness and density composition and certified to OHAS 18001:1999 Occupational Health & Safety Management System	✓	

“**Regupol® Acousti-Tile incorporating Morgan Resinflex One Pack gives developers back the choice of using the tiled finish they want, whilst making compliance with the BCA Part F5.2 and F5.3 regulations easy. This is superb news for the industry.**”

Mr Bevan Morgan, M.D.
Morgan Ceramic Tile Adhesives Pty Ltd



Bringing Sound to a New Low



Frequency f Hz	Ln 1/3 Octave dB
50	
63	
80	
100	55.5
125	56.7
160	59.2
200	64.1
250	65.7
315	67.4
400	65.6
500	64.8
630	63.0
800	61.6
1000	59.8
1250	57.1
1600	51.7
2000	47.3
2500	44.1
3150	39.9
4000	35.9
5000	31.5

CSIRO Lab	
Lnw	59
IIC	49
Δ LW	17
Site	
LnTw	52
Δ LW	13

Improving Every Environment



Regupol is proud to support the Green Building Council of Australia's movement to create environmentally responsible, profitable and healthy places to live and work.



green building council australia
MEMBER



Appendix B

Marked up Floor Plans

Acoustic Engineering



Burchill VDM Pty Limited ABN: 89 010 140 495 ACN: 010 140 495
3rd Floor Evandale Place, 142 Bundall Road, Surfers Paradise QLD 4217, PO Box 5017, Gold Coast MC QLD 9726
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BRISBANE

GOLD COAST

BEENLEIGH

AIRLIE BEACH

MACKAY

PERTH



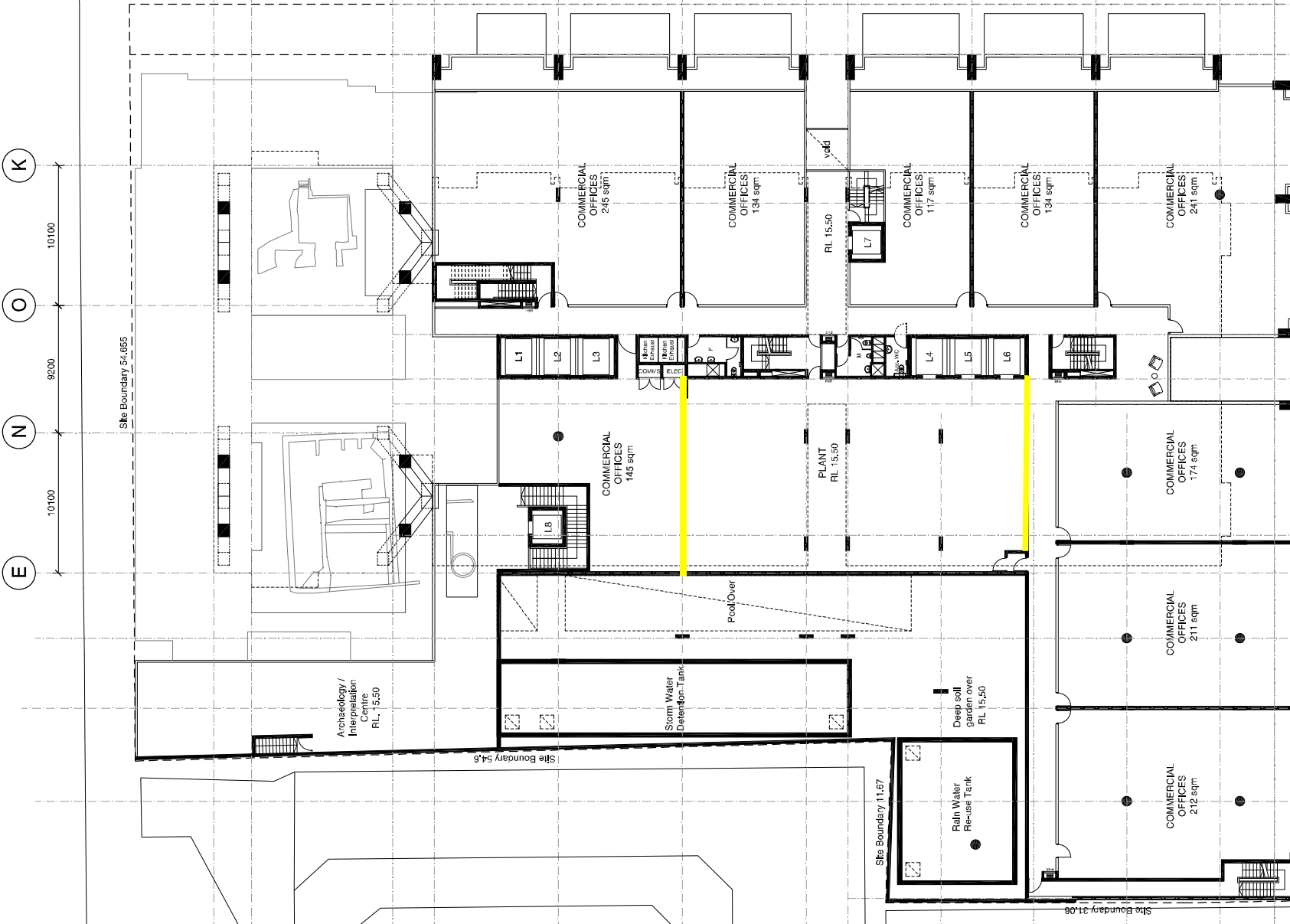
Check all dimensions and details on this plan to ensure that the plan is a true and correct representation of the site. Do not scale drawings - refer to figures and dimensions only. Any discrepancies and immediately be referred to the architect for clarification. All drawings may not be reproduced or distributed without prior permission from the architect.

MACQUARIE STREET

1 2 3 4 5 6 7 8 9 10 11 12

2700 10200 3000 8950 8950 3000 8950 8950 3950

MARSDEN STREET



Street widening 3650 8000 2700 9500 1800 3200 8500 2700 4725 5050 6712.5 7010.5

HUNTER STREET

Site Boundary 64.74

Site Boundary 64.205

Site Boundary 54.655

Site Boundary 54.6

Site Boundary 11.67

Site Boundary 31.06

A B C D E F G H I J K L M

02	09/10/09	Consultant Issue for Review	AL	NM
01	20/01/09	Consultant Issue for Review	AL	NM
Revision	Date	Description	AL	Checked

Client

CROWN

Architect

Land 11, 06 Alfred Street, Sydney NSW 2000

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

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Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Architect

Macquarie Place
Parramatta
Level 01
Plan

Scale	1:200 @ A1	Checked
Drawn	AL	Checked
Project No.	S11174	
Sign	PRELIMINARY	
Plan Date	3/2/2010 1:04:43 PM	
Plan File	S:\11004\11004\1174\1174_01_Parramatta_001.mxd	
Drawing No.	EA2.08[02]	[Revision]

EA2.08[02]

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Requisition Number	Requisition Date	Description	AL	Checked
02	02/10/09	Consultant Issue for Review	AL	NM
01	22/09/09	Consultant Issue for Review	AL	NM



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Scale	1:200 @ A1	
Drawing	AL	Checked
Project No.	S1174	
Station	PRELIMINARY	
Plot Date	3/2/2010 1:04:47 PM	
Plot File	S:\11001\110011174\1174_parameters\00_mak\cadd\p101.dwg -- 2/2/2009/2/2/09	
Drawing No.	(Reduction)	

EA2.09[02]

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02	02/10/09	Consistent	Issue for Review	AL	NM
01	23/09/09	Consistent	Issue for Review	AL	NM
Review	Date	Description	Initial	Checked	



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Macquarie Place
Parramatta
Level 03
Plan



Scale	1:200 @ A1	
Drawn	AL	Checked
Project No.	S11174	
Status	PRELIMINARY	
Plot Date	3/2/2010 1:04:51 PM	
Plot File	S:\11001\11001\1174\1174.dwg; pararama00_mak\project01.dwg -- F:\A2002.dwg	
Drawing No.		[Redaction]

EA2.10[02]

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MACQUARIE STREET

MARSDEN STREET

Macquarie Place
Parramatta
Level 04
Plan

Scale	1:200 @ A1	Checked
Drawn	AL	Checked
Project No.	S11174	
Status	PRELIMINARY	
Plan Date	3/2/2010 1:04:55 PM	
Plan File	S:\11004\11004\117_C:\BatesSmart\000_mak\plan\plan.dwg	
Drawing No.	EA2.11[02]	[Revision]

EA2.11[02]

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01	23/09/09	Consistent	Issue for Review	AL	NM
Review	Date	Description	Initial	Checked	



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Macquarie Place
Parramatta
Level 05
Plan

Scale	1:200 @ A1		
Drawn	AL	Checked	
Project No.	S11174		
Status	PRELIMINARY		
Plot Date	3/2/2010 1:05:09 PM		
Plot File	S:\1100\1199611174\1199611174.dwg:planarim00_mak\project01.dwg -- F:\A\202\dwg		
Drawing No.	[Redacted]		

EA2.12[02]

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MACQUARIE STREET

MARSDEN STREET

HUNTER STREET

Site Boundary 54.655

Site Boundary 54.6

Site Boundary 11.67

Site Boundary 31.06

Site Boundary 64.74

Street widening

10100

9200

10100

7010.5

6712.5

5050

4725

2700

9500

8000

2700

3660

1

2

3

4

5

6

7

8

9

10

11

12

A

B

C

D

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K

L

M

02	09/10/09	Consultant Issue for Review	AL	NM
01	20/01/09	Consultant Issue for Review	AL	NM
Revision	Date	Description	By	Checked

Client



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Project

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Macquarie Place
Parramatta
Level 06
Plan



Scale	1:200 @ A1	Checked
Drawn	AL	
Project No.	S11174	
Status	PRELIMINARY	
Plot Date	3/2/2010 1:55:03 PM	
Plot File	S:\11004\11004\117_C:\BatesSmart\000_macquarie\plan.dwg	
Drawing No.	EA2.13[02]	[Revision]

EA2.13[02]

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