

# Asona Ultratone™

## Perforated GIB® Plasterboard Acoustic Panels

Technical Data sheet—BPIR Class 1



asona



### Description.

Asona Ultratone™ is a perforated GIB® plasterboard panel designed for acoustic ceilings and wall linings. Made in NZ, Ultratone™ is manufactured in a range of perforation patterns and open areas to meet acoustic and aesthetic requirements. Panels are screw fixed and flush stopped to level 4 and painted on site for a monolithic appearance.

### Application.

Asona Ultratone™ is a durable perforated acoustic lining for control of unwanted noise reverberation in residential and commercial construction; open plan living and office spaces, meeting rooms, receptions, hallways, hotels, healthcare, retirement facilities, auditoria, libraries, halls, malls etc.

### Composition.

Panels are manufactured in NZ from GIB® plasterboard with acoustic tissue backing.

### Features & Benefits.

- Excellent acoustic performance to absorb and diffuse unwanted noise for greater comfort. NRC 0.55-0.80, CAC 30-44 with Asona Triton acoustic tile backer.
- Durable long lasting plasterboard finish that is easy to repaint without reduction in acoustic performance.
- Fire safe, Group 1-S rating.
- Made in NZ for short lead times and low carbon km's.
- Economical.
- Available in a wide range of perforations patterns
- 8, 12 or 15mm Ø perforations for a classic look.
- 12 x 12 mm square perforation.
- Alternating 12 and 20mm Ø perforations.
- Random 8, 15, and 20 mm Ø perforations.
- All panels come with clear borders for ease of installation and finishing with stronger crack resistant joins.
- Standard 1200 x 2400 mm sheets. Others to order.
- Integrates with regular non-perforated 13mm GIB®.

### Technical Specifications

Practical Sound Absorption Coefficients: ISO 354 E-200, Test reports T2227-1 to 24, W1L1 Cluster								
ITEM	Open Area*	NRC	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
8/18	15.4	0.65	0.45	0.80	0.80	0.55	0.45	0.40
12/25	18.4	0.65	0.45	0.75	0.80	0.55	0.45	0.40
15/30	20.0	0.60	0.40	0.75	0.75	0.50	0.40	0.40
12-20/66	19.2	0.60	0.45	0.75	0.80	0.50	0.40	0.35
8-15-20R	7.3	0.45	0.55	0.65	0.60	0.35	0.25	0.20
SQ12/30	16.4	0.60	0.45	0.75	0.75	0.50	0.40	0.40

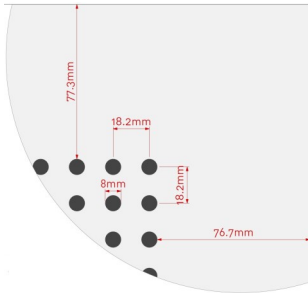
Practical Sound Absorption Coefficients: ISO 354 E-200, Test reports T2227-10 to 15, W1L1 Cluster with Triton 50 acoustic tile backer								
ITEM	Open Area*	NRC	125 Hz	250 Hz	500 Hz	1K Hz	2K Hz	4K Hz
8/18	15.4	0.80	0.75	0.95	0.85	0.75	0.55	0.45
12/25	18.4	0.80	0.75	0.90	0.85	0.80	0.60	0.55
15/30	20.0	0.80	0.75	0.95	0.85	0.75	0.60	0.55
12-20/66	19.2	0.80	0.75	0.95	0.85	0.75	0.60	0.55
8-15-20R	7.3	0.50	0.70	0.70	0.55	0.40	0.30	0.25
SQ12/30	16.4	0.75	0.70	0.90	0.80	0.70	0.55	0.50

\* Approximate value, excludes borders and non-perforated areas.

# Technical Specifications

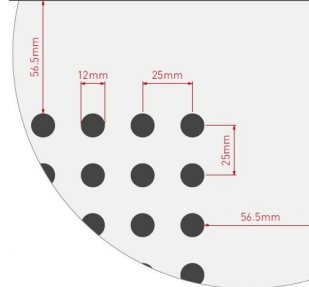
## Perforation Patterns

**Item 8/18**



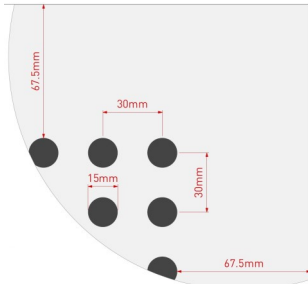
8mm Ø @ 18mm ctrs

**Item 12/25**



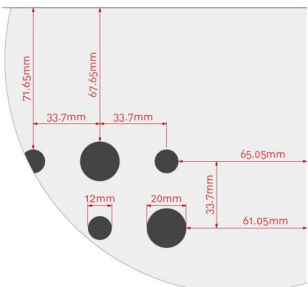
12mm Ø @ 25mm ctrs

**Item 15/30**



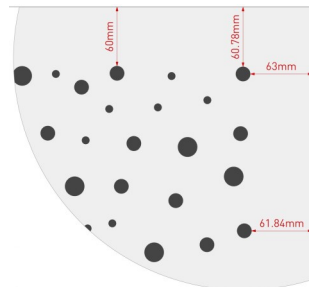
15mm Ø @ 30mm ctrs

**Item 12-20/66**



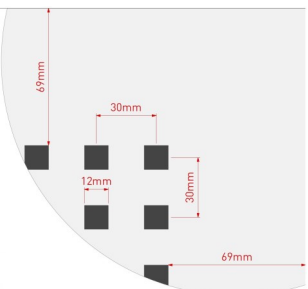
12+20mm Ø @ 66mm ctrs

**Item 8-15-20R**



8+15+20mm Ø Random

**Item SQ12/30**



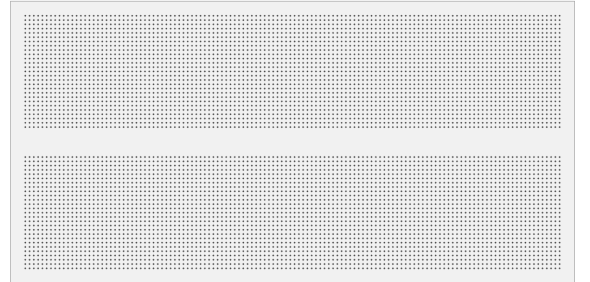
12mm SQ @ 30mm ctrs

## Perforation Clusters—1200 x 2400mm sheet

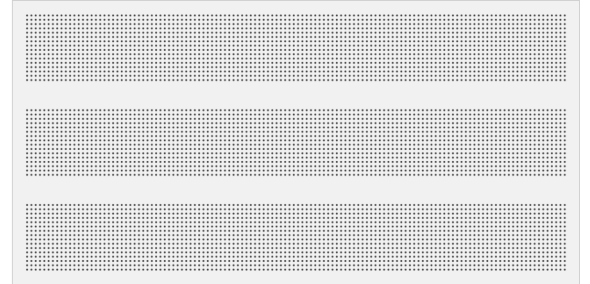
**W1L1**—width 1, length 1



**W2L1**—width 2, length 1



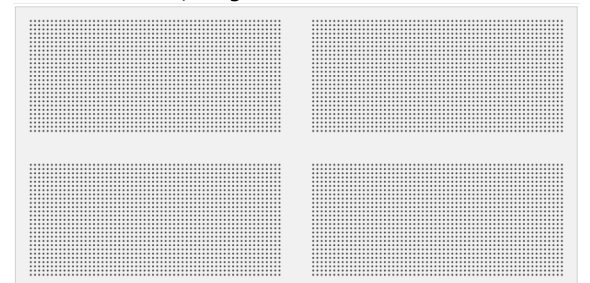
**W3L1**—width 3, length 1



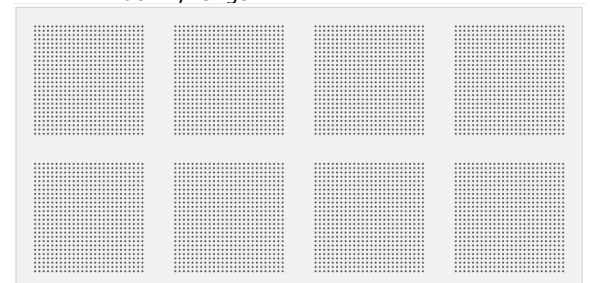
**W1L2**—width 1, length 2



**W2L2**—width 2, length 2



**W2L4** -width 2, length 4



### Perforation Type and Cluster: (MOQ applies)

ITEM	W1L1	W2L1	W3L1	W1L2	W2L2	W2L4
8/18	✓	✓	✓	✓	✓	✓
12/25	✓	✓	✓	✓	✓	✓
15/30	✓	✓	✓	✓	✓	✓
12-20/66	✓					
8-15-20R	✓					
SQ12/30	✓	✓	✓	✓	✓	✓

## Technical Specifications

### Access Hatches:

A range of Rondo Panther® access hatches are available to incorporate into Ultratone™ perforated plasterboard ceilings. Contact Asona for details.

### Acoustics:

Use Rondo Xpress® Drywall Grid Suspension system with Asona Triton lay-in acoustic tiles to provide high NRC and CAC performance. Contact Asona for details.

### Standard Size:

13 x 1200 x 2400 mm panels, other lengths to order.

### Colour:

Plain paper face, requires painting on site.

### Limitation:

- Not for use in external applications, wet areas, in contact with moisture or in extreme humidity or temperature conditions.
- Not for use with negative air return plenums.
- Maximum humidity/temperature 90% R/H at 30°C.
- Back loading max. Uniform weight of un-supported insulation shall not exceed 2kg/m<sup>2</sup>, point loads e.g. lighting, grills, speakers etc, 1.5kg per piece. Greater loads shall be independently supported.
- Do not spray paint as this will reduce acoustic performance.

### Maintenance:

Clean with vacuum, soft brush or damp cloth once painted.

### NZ Building Act

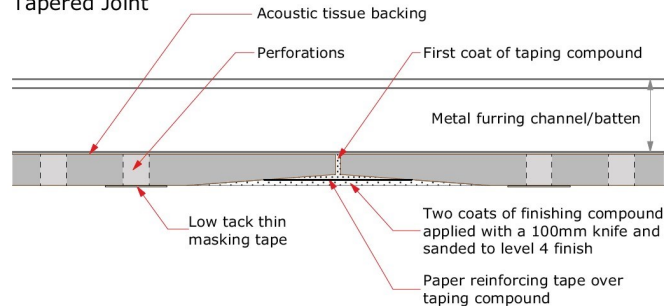
This product is not subject to a warning or ban under Section 26.

### NZ Building Code Compliance:

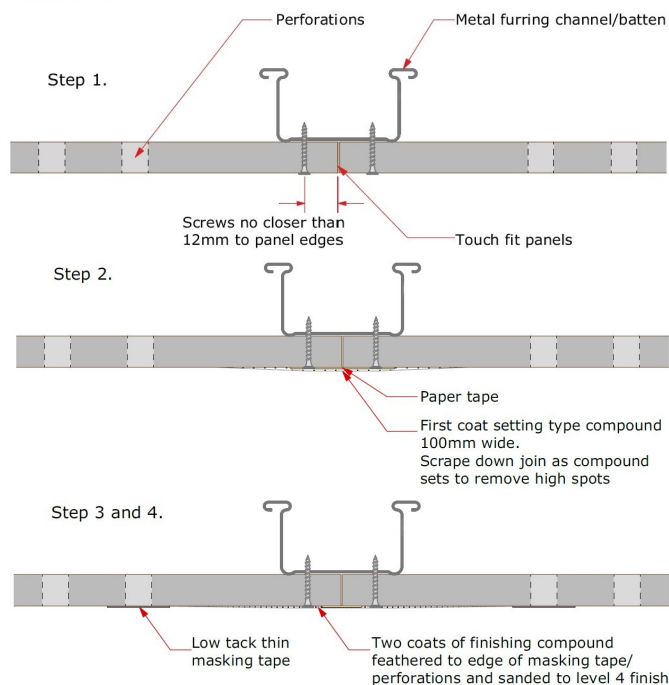
- B2 Durability – Clause B2.3.1 (b) (i): Asona Ultratone with only normal maintenance will have a minimum durability of at least 15 years when installed in accordance with; manufacturer's installation requirements and AS/NZS 2785:2020.
- C3 Fire – Clause C/AS2 3.4(a): Asona Ultratone has a Fire Material Group Number 1-S by NZBC verification method C/VM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705.

## Joint Finishing

### Tapered Joint

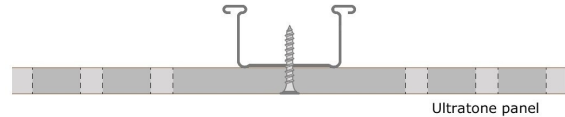


### Butt Joint

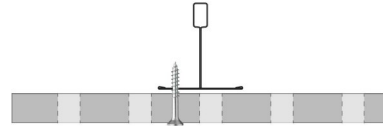


## Installation Options

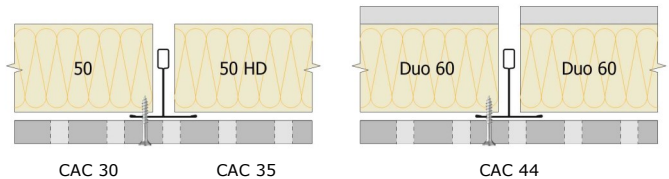
### Ultratone™ panel to Rondo #155 furring channel/batten



### Ultratone™ panel to Rondo Xpress® Drywall Grid



### Ultratone™ panel to Rondo Xpress® with Triton acoustic tile backer for high CAC and NRC



### Warranty:

10 year limited warranty against manufacturing defects.

### Weight: (nominal)

Perforated board - 7.6-8.2 kg/m<sup>2</sup>  
Non-perforated board - 9.0 kg/m<sup>2</sup>

### Installation:

Shall not commence until the building is water tight and dry. Install Rondo #127 TCR (top cross rail) at 1200mm centres, rigid hangers at 1200mm centres, Rondo #155 48mm furring channel at 600mm centres with Rondo #159 Joiner Clip. Alternative suspension is Rondo Xpress Drywall Grid, main tees at 1200mm centres, hangers at 1200mm centres, cross tees at 600mm centres with optional Triton acoustic tile backer. Screw fix panels with 25mm bugle head gypsum screws at 200mm c/c along edges and 300mm c/c elsewhere, support short end with furring/cross tee to secure the joint. A low tack, thin wash masking tape can be used to mask perforations during stopping to minimise filling of the perforations. Fill joints with a 3 coat system and paper reinforcing tape. Take care not to fill perforations, and remove immediately any compound from holes. Expansion joints at 12m maximum. Paint with fine nap roller. Refer full Installation Manual.

### Do not spray paint.

### Specification:

Ceiling/wall lining shall be Asona Ultratone™ perforated GIB® plasterboard acoustical panel as manufactured by Asona Ltd, Tel: 09 525 6575, info@asona.co.nz. Size 13 x 1200 x 2400mm, Item (8/18)(12/25)(15/30)(12-20/66) (8-15-20 random), (SQ12/30), Perforation Cluster (W\_L\_) perforated and laminated with acoustic tissue backing, panels shall be screw fixed with 25mm bugle head gypsum screws at 200mm c/c along edges and 300mm c/c elsewhere to (#155 furring) (Rondo Xpress) at max. 600 mm c/c). Install Triton (50)(50HD)(Duo 60) acoustic tile backer into Rondo Xpress suspension. Short ends supported, expansion joints at max 12m centres, plaster joints to 'Level 4' and paint with fine nap roller. (Asona ceiling Masterspec 5113AP specification available).

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### ISO 9001:2015 Registered Firm No. NZ1014

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Ref: Ultratone-23-12

