

# Asona Pyramid 3D™

## Sound Diffusing Ceiling Panel



### Technical Data sheet

asona

#### Description.

Asona Pyramid™ is a made in NZ high density glass fibre reinforced gypsum acoustic ceiling panel designed to provide scattered reflections for a diffused sound field. Pyramid™ panels break up flutter echo from flat surfaces to enhance music tone quality and speech intelligibility.

#### Application.

Pyramid™ is designed to fit into standard suspended ceiling grid or can be fixed to walls with brackets. Ideal for music rooms, performance halls, theatres where speech intelligibility and music tone quality is desirable.

#### Composition.

Manufactured from high density alpha plaster reinforced with glass fibres, natural plaster finish or coated with vinyl latex paint to order, made in NZ.

#### Benefits.

- Deeply profiled asymmetric / symmetric reflective shape
- Helps create diffused sound field for music tone and speech clarity.
- Reflective hard high density alpha gypsum composition
- Designed as a lay in ceiling tile or can be fixed to walls



#### Technical Specifications

| Item #   | Size (nominal)     | Edge |
|----------|--------------------|------|
| GC20033E | 200 x 600 x 600 mm | E24  |

**Sound Absorption Rating:** per ASTM C423, E-200 \*est.

| Panel     | Hz | 125  | 250  | 500  | 1000 | 2000 | 4000 |
|-----------|----|------|------|------|------|------|------|
| Diffusion | αs | 0.35 | 0.15 | 0.10 | 0.10 | 0.10 | 0.10 |

#### Accessibility:

All panels are demountable and accessible.

#### Colour:

Natural white plaster finish or latex paint to order.

#### Environmental impact:

Manufactured locally, product and packaging can be recycled.

#### Fire Reaction:

AS1530 pt 3.  
Smoke developed 1, spread of flame 0.

#### Humidity:

Max 95% R/H at 30°C.

#### Light reflectance:

ASTM C1477 LR-1, >75%

#### Maintenance:

Clean with vacuum, soft brush or damp cloth. Re-coating available, consult Asona.

#### NZ Building Code:

Clause B2—durability, 5 years

#### Thermal Resistance:

R 0.1 m<sup>2</sup>°C/W

#### Weight:

8 kg/m<sup>2</sup>

#### Installation:

Shall not commence until the building is water tight and dry. Lay panels into standard T24 two way exposed grid system with minimum of 200 mm plenum to allow for placement of panels, use hold down clips in seismic areas. Panels may be fixed to walls using Asona J brackets. Store panels on pallets in a clean dry place.

#### Specification:

Ceiling shall be Asona Pyramid™ 3D diffuser ceiling panel as supplied by Asona Ltd, tel: 09 525 6575, fax: 09 525 6579 item # GC20033E, 600 x 600 x 200mm mm, natural plaster finish, install on T24 two way exposed grid system with 2 x hold down clips per panel. For wall mounting use J brackets.



#### Asona Ltd

P.O Box 96-241 Balmoral,  
Auckland, New Zealand  
Sales:  
Tel: + 64 (0)21 50 57 40  
Email: info@asona.co.nz  
Web: www.asona.co.nz

Factory:  
5B Monier Place  
Mt Wellington  
Auckland, New Zealand  
Tel: 09 525 6575  
Fax: 09 525 6579