

Pyramid 3D™

Sound Diffusing Ceiling Panel Technical Data sheet



asona

Description.

Pyramid 3D™ is 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 3D™ 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 Resene G10 gloss white paint.

Benefits.

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

Technical Specifications

Item #	Size (nominal)*	Edge
PY200.0606E	100 x 600 x 600 mm	E24

Sound Absorption Rating: per ASTM C423, E-200 *est.						
Hz	125	250	500	1000	2000	4000
Diffusion	∂s	0.35	0.15	0.10	0.10	0.10

Accessibility:

All panels are demountable and accessible.

Colour:

Standard finish is natural white plaster, mat black and other paint finishes available 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:

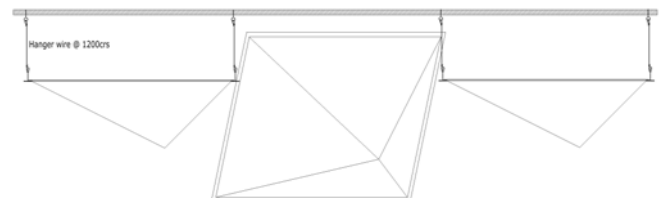
Clause B2—durability, 5 years

Thermal Resistance:

R 0.1 m²°C/W

Weight:

8 kg/m²



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 Pyramid 3D™ asymmetrical high density gypsum diffuser ceiling panel as supplied by Asona Ltd, tel: 09 525 6575, fax: 09 525 6579 item # GC20033E, 600 x 600 x 200mm mm, finish shall be (natural plaster) (paint Resene G10 White gloss paint), install on T24 two way exposed grid system with 2 x hold down clips per panel. For wall mounting use J brackets.

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