

AO-Gami™

Acoustic Feature Ceiling

Technical Data sheet—BPIR Class 2



asona



Description.

AO-Gami™ is an innovative light weight open cell decorative acoustic ceiling finish designed for commercial interiors. The 'acoustic paper' is formed into tubes, grouped into modules and suspended from tensioned horizontal catenary wires with proprietary suspension hooks. AO-Gami™ helps diffuse light in a soft and translucent way and has been used successfully under illuminated coffers and beneath sky lights and glazed conservatories.

Application.

AO-Gami™ is ideal as a sculptural feature to work with existing lighting systems or on it's own in cloud formations as part of an acoustic system. Especially suited to high-end corporate, civic and hospitality environments.

Composition.

Manufactured from composite glass fibre 'paper' heat formed into tubes. Pre-finished white. Made in New Zealand.

Features & Benefits.

- Dramatic sculptural feature ceiling.
- Provides a free floating open cell aesthetic.
- Light diffusing and translucent.
- Porous material for sound absorption. NRC 0.45 E-400.
- Fire Group 1-S.
- Super light weight at around 0.5 kg/m².
- Easy to install with proprietary suspension hooks.
- Made in New Zealand for short lead times including replacement parts.
- Packaging take back and reuse scheme available (NZ only).



Gulf Harbour Country Club, conservatory



Technical Specifications

# Diameter	Code
Large -350mm dia.	AOG-35
Medium—250mm dia.	AOG-25
Small—150mm dia.	AOG-15

Sound Absorption Rating: Suspended acoustic cylinders—NRC 0.45 per ASTM C423.						
Hz	125	250	500	1000	2000	4000
α_S	0.22	0.25	0.45	0.50	0.55	0.65

Circular Sizes:

Large: 350mm dia, Medium: 250mm, Small: 150mm
Max length 500mm. Custom shapes to order.

Finish:

White.

Environmental impact:

High embodied energy, 100% recyclable, contains 85% recycled glass content.

Limitations:

- For interior use only, and not in direct contact with water.
- Not for use with negative air return plenums.
- Maximum humidity/temperature 99% R/H at 45°C.
- No back loading. Any services loads to be independently supported.

Maintenance:

Clean with vacuum, soft brush or damp cloth. Scuff marks can be removed by light use of fine grade sandpaper.

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 (c) (i): Asona AO-Gami with only normal maintenance will have a minimum durability of at least 5 years when installed in accordance with; manufacturer’s installation requirements and AS/NZS 2785:2020.
- C3 Fire – Clause C/AS2 3.4(a): Asona AO-Gami 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.
(NCC BCA C1.10 clause 4, spec A2.4 clause 4. Group 1)

Warranty:

5 year limited warranty against manufacturing defects.

Weight:

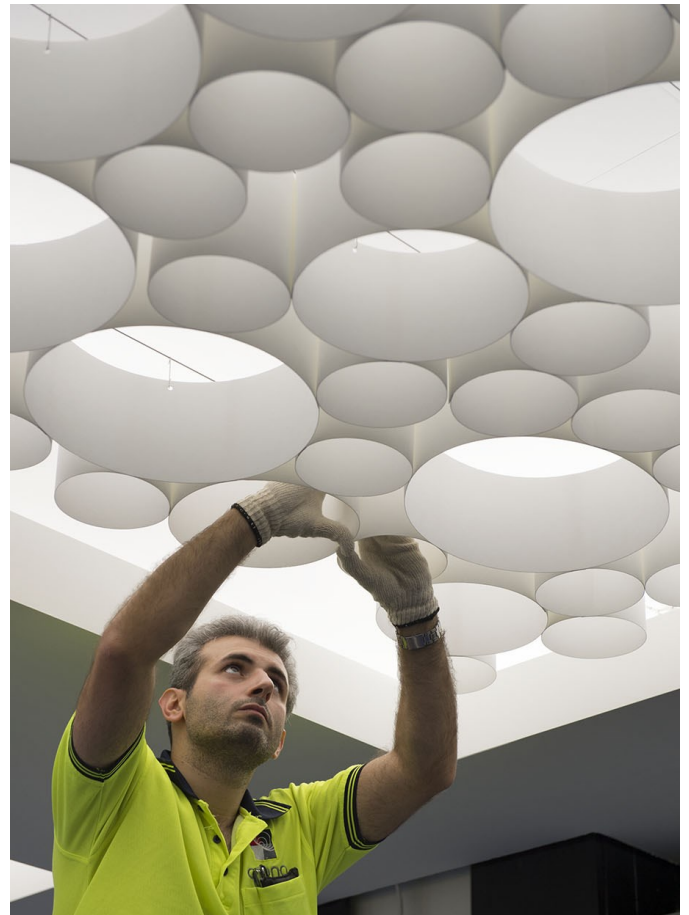
0.50 kg/m² (nominal)

Installation:

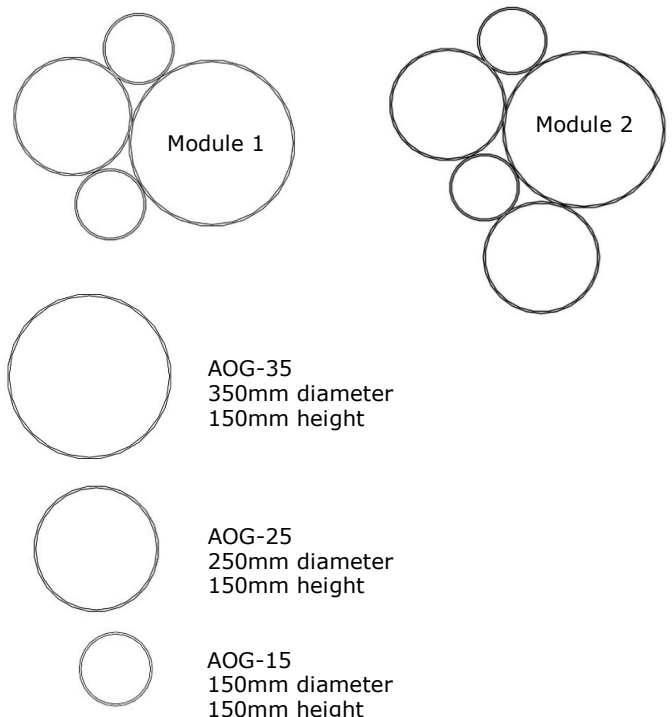
Installation shall not commence until the building is water tight and dry. Acoustic cylinders are supplied in modules and as loose individual infill cylinders. Hole punch the side of a module cylinder to align with cable above. Use Ao-Gami connector clips and clip to tensioned lateral support cables to form organic arrangements as desired. Use single infills to make up gaps. Site glue fix infills in place with water based PVA adhesive.

Specification:

Supply and install AO-Gami™ acoustic feature ceiling as manufactured and supplied by Asona Ltd Tel: 09 525 6575 info@asona.co.nz, Suspend ceiling from manufacturers proprietary suspension system comprising tension catenary wires at 300-400 mm centres, fixed to load bearing structure. Clip modules 1 & 2 to catenary wire with AO-Gami hook hanger and infill with AOG-15 tubes to complete the ceiling. Refer to manufacturers shop drawings. Contractor shall flat pack packaging and return to Asona for reuse (NZ only)
(Asona ceiling Masterspec 5172AA specification available).



Installation of AO-Gami tubes in ASB Queen Street Branch



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All dimensions are nominal. We reserve the right to change specifications.
Ref. AO-Gami-23.12

