

Asona Polyfon Mesh - open cell ceiling panel

Product Technical Statement: 108319



Polyfon mesh is a bold open celled acoustic ceiling panel

[View miproducts listing](#)



Level of assurance needed to demonstrate NZ Building Code Compliance

Supporting documentation should include self-assessment and technical information by manufacturer



Asona confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ

[Fire Group Rating - FI6300](#)



The following information has been provided by Asona demonstrating how this product complies with the [Building Product Information Requirements](#).

Technical Statement

Product Class

CLASS 1

Product Description

Polyfon Mesh™ is a perforated open cell ceiling panel designed to provide a contemporary industrial aesthetic when using standard two way exposed ceiling grid. Panels may be mixed and matched with other ceiling panel types for design effect or acoustic control. Available in diamond, square and hexagonal patterns.

Scope of use

Ideal for use in deconstructed commercial interiors, retail complexes, hospitality, airports, showrooms and other large volume public spaces.

This product is designed to be mounted into a two-way exposed grid system and installed to manufacturer's, AS/NZS 2785:2020 Standard's and AWCINZ Code of Practice requirements.

- 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.
- Back loading — No overlay loads, M&E services and point loads to be independently supported.

New Zealand Building Code (NZBC)

The product will, if employed in accordance with the supplier's installation and maintenance requirements, assist with meeting the following provisions of the building code:

- **Clause B2 Durability:** Performance B2.3.1(c)

Clause B2.3.1 (c) (i): 5 years if building elements are easy to access and replace.

Asona Polyfon Mesh 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. I

n use history. No test methods available.

- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)

Clause C/AS2 3.4(a):

Asona Polyfon Mesh has a Fire Material Group Number 1-S by NZBC verification method C/MM2 Appendix A, tested in accordance with ISO 5660 or ISO 9705.

Evidence

The product meets the requirements set out in the following documents, or relevant parts of cited standards within the documents:

B2 Durability and C3 Early Reaction to Fire

Supporting Evidence

The product has and can make available the following additional evidence to support the above statements:

BRANZ

[Fire Group Rating - FI6300](#)



masterspec partner

Company Contact Details

asona

Company: Asona Limited
Physical Address: 6 Mahunga Drive
Mangere Bridge
AUCKLAND
Postal Address: 6 Mahunga Drive,
Mangere Bridge
Mangere
AUCKLAND
Telephone: 64 09 5256575
Fax: 64 09 5256579
Email: info@asona.co.nz
Website: www.asona.co.nz

Asona Polyfon Mesh - open cell ceiling panel

Product Technical Statement: 108319



Use in Service History

Biz Dojo Ponsonby

North Shore Events Centre

Online Republic

Product Criteria

Design requirements

Polyfon Mesh™ provides a creative mask to the plenum, roof, floor or soffit above, which remains open to air circulation and lighting options. Its open-cell design allows visibility into the plenum for security in airports and other transport hubs.

Polyfon Mesh™ is simply installed into exposed grid suspended ceiling systems, whether a new installation or a retro fit.

Its lightweight construction compared to other heavier open-cell materials allows for lighter seismic ceiling requirements. In the unlikely event of dislodgement during an earthquake, its soft composition will not harm any occupants.

Made in NZ for short lead times, installation and replacements.

Installation requirements

Shall not commence until the building is watertight and dry. This product is designed to be mounted into a two-way exposed grid system and installed to manufacturer's, AS/NZS 2785:2020 Standard and AWCINZ Code of Practice requirements. Panels are not to support any weight and equipment shall be independently supported. Seismic design may require a suitably qualified engineer. Care shall be taken when handling tiles to avoid damage.

Maintenance requirements

Clean with vacuum, soft brush or melamine foam 'magic' cleaner.

Warrantees

Polyfon Mesh™ is covered by a 15 year limited warranty against manufacturing defects.

Company Product Information

Environmental

Polyester, no chemical binders or pesticides, tested low VOC's per ASTM D51106 (TVOC 0.004 mg/m²/hr, Aldehydes <0.01 ppm, Formaldehyde 0.004 mg), low embodied energy, low transport km's vs imports.

Currently under Global GreenTag assessment.

Quality Assurance



ISO 9001 (Quality Management)

Relationships



New Zealand Made

AWCI

Building Product Information Requirements

Manufacturer

Legal Trading Name:

Asona Limited

Business Email:

info@asona.co.nz

Company Website:

www.asona.co.nz

Contact Number/s:

+64 09 -5256575

Product Identifier

PM.0606.D407110 OR 20 X 600 X 600 PM.0612.D407110 X 600 X 1200 PM.0606.SQ507510 OR 20 X 600 X 600 PM.0612.SQ507510 X 600 X 1200 PM.0606.H404010 OR 20 X 600 X 600 PM.0612.H404010 X 600 X 1200

Asona Polyfon Mesh - open cell ceiling panel

Product Technical Statement: 108319



Warnings

This product has no warnings associated with it.



Date last validated: **15 January 2025**



Date last updated: **15 January 2025**

Disclaimer: The Product Technical Statement (PTS) template is copyright to Construction Information Limited. However the content of this PTS is the responsibility of the product manufacturer/supplier. Refer to the miproducts Terms and Conditions