

Knauf-Danoline Solopanel perforated plasterboard ceiling & wall panel

Product Technical Statement: 104147



Solopanel™ is a continuous perforated acoustic ceiling & wall lining.

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Level of assurance needed to demonstrate NZ Building Code Compliance

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



Knauf-Danoline Solopanel confirms that this minimum level of assurance has been met or exceeded by the following:

BRANZ Fire Test Report

[Available upon request - FH5025](#)



Technical Statement

Product Description

Solopanel™ is a continuous perforated acoustic ceiling & wall system designed for auditoriums, atriums and large public spaces. Panels are press punched perforated with acoustic tissue backer and face laminated with white foil for easy cleaning and high light reflectance. Panels are screw fixed to furring and butt joined with 3mm bevel edge exposed.

Scope of use

Solopanel™ is ideal for large volume areas where a seamless fluid look is required, perfect for flowing sculptural architectural interior ceilings.

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, B2.3.1(c), B2.3.2
- **Clause C3 Fire affecting areas beyond the fire source:** Performance C3.4(a)
- **Clause F2 Hazardous building materials:** Performance F2.3.1

Evidence

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

Fire Rating: Group 1-S, NZBC Verification Method C/VM2, Appendix A

Supporting Evidence

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

BRANZ Fire Test Report

[Available upon request - FH5025](#)

Product Criteria

Design requirements

Solopanel™ a continuous edge to edge perforated plasterboard acoustic ceiling system designed for auditoriums, atriums and large public spaces. Panels are manufactured from press punched perforated plaster board with plastered joins. Panels are screw fixed to battens for a monolithic finish. Now incorporated with an air purification feature, Cleaneo Technology.

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Installation requirements

Minimum installation to AS/NZS 2785 and ASTM C636. Installation to be only by the manufacturer's approved installer, using the manufacturer's technical services. Installers to be members of the Association of Wall and Ceiling Industries.

Maintenance requirements

No specific maintenance for B2 compliance. Clean with soft brush, vacuum or damp cloth or otherwise detailed on the specific product technical data sheet.

Warrantees

Manufacturers 10 year warranty against manufacturing defects and durability compliance per NZBC B2 of 5 years.

masterspec partner

Company Contact Details



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Company Product Information

Environmental

Knauf Danoline™ perforated plasterboard. Gypsum is non mineral fibre based acoustic ceiling solution for a healthy comfortable indoor environment. A natural product that offers a large number of advantages when used as a building material. Gypsum is easily machined, non combustible and contains no hazardous substances, and the manufacture of gypsum boards has only minimal impact on the environment. The residual waste from production can be recycled to produce new boards. Plasterboard panels are relatively low embodied energy vs. other building materials (concrete, metal etc) & Knauf Danoline Plasterboard panels are made from a blend of natural gypsum & synthetic gypsum- obtained from recycled post industrial material. Knauf Danoline perforated panels are clean and have low particle drop when installing, rated for clean air cert in EU. During fitting and processing no hazardous substances are released, and ready-painted Knauf Danoline gypsum products are easy to maintain. As well as being environmentally sound, gypsum is a durable material with a long lifetime.

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council

AWCI



Date last validated: **02 May 2023**



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