

Ecoplus Systems Ceiling and Wall Plasterboard Grid

Product Technical Statement: 103762



Concealed grid system providing various options to achieve flush plasterboard ceilings and walls

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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



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

BEAL building element assessment laboratory

[Ceiling and Wall Plasterboard Grid System - IN1006](#)

Technical Statement

Product Description

Plasterboard (PBG) Ceiling and Wall Grid is a versatile concealed grid system providing various options to achieve a flush building board ceiling.

PBG can also be utilised as a masonry wall batten with the range of available components allowing for variable spanning and spacing options. The STC acoustic isolation mount has recently been tested at Auckland University to an 56 STC/RW55.

The system consists of cold rolled sections (top cross rail, furring channel, perimeter channel, furring channel clip, strapping clip) manufactured from galvanized steel.

Scope of use

Plasterboard Grid (PBG) Ceiling and Wall System is a suspended flush ceiling grid system designed to be used as a suspended ceiling system for internal use in both commercial and residential type buildings.

The system is also a Masonry wall batten system designed to be used over masonry walls for internal use in both commercial and residential type buildings.

The system consists of cold rolled sections (top cross rail, furring channel, perimeter channel, furring channel clip, strapping clip) manufactured from galvanized steel.

The masonry wall batten system is used for battening out irregular walls, enabling the installation of Plasterboard.

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 B1 Structure:** Performance B1.3.1, B1.3.2, B1.3.3(a), B1.3.3(f), B1.3.3(h), B1.3.3(j), B1.3.3(q), B1.3.4
- **Clause B2 Durability:** Performance B2.3.1(b), B2.3.1(c), B2.3.2
- **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:

- AS/NZS 2785:2000 Suspended Ceilings - Design and Installation
- NZS 4219 Seismic performance of engineering systems in buildings
- NZS 1170.5 Structural design actions - Earthquake actions - New Zealand

Supporting Evidence

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

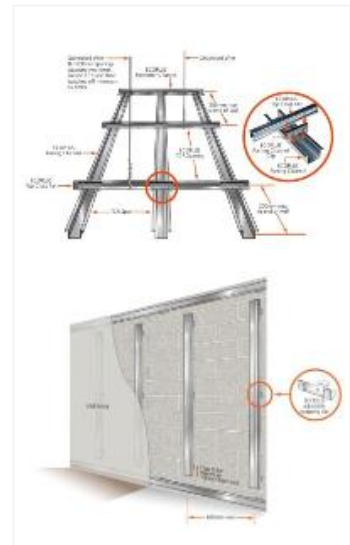
BEAL building element assessment laboratory

[Ceiling and Wall Plasterboard Grid System - IN1006](#)

Product Criteria

Design requirements

Ceiling and Wall Plasterboard Grid System is a suspended flush ceiling grid system designed to be used as a concealed suspended ceiling system for internal use in both commercial and residential type buildings.



masterspec partner

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Ceiling and Wall Plasterboard Grid System is also a Masonry wall batten system designed to be used over masonry walls for internal use in both commercial and residential type buildings.

The suspended flush ceiling grid is suspended at no less than 150mm from the floor or roof above by hangers and finished with Plasterboard to form a soffit. The masonry wall batten system is used for battening out irregular walls, enabling the installation of Plasterboard.

The ECOPLUS Plasterboard Grid Suspended Ceiling System is designed for plasterboard with a mass no greater than 25kg/m²

Installation requirements

Work shall comply with the installation requirements of AN/NZS 2785:2000 by appropriately qualified trade contractors.

Internal ceiling installation/batten system shall not proceed until the building is effectively weather-tight and the work of wet trades has been completed and dried.

Suspended ceilings shall only be installed upon the completion of construction above the ceiling.

Plasterboard Grid system shall not be suspended from, and shall be kept clear of any building services such as ducts, unless specifically designed otherwise.

Mechanical and electrical ductwork above the suspension system shall be completed before installation of the suspended ceiling system.

For detailed product information including specific installation requirements refer to the Ceiling and Wall Plasterboard Grid product manual and / or the BEAL product appraisal

Maintenance requirements

Ceiling and Wall Plasterboard Grid System must be protected from internal and external moisture in accordance with NZBC E2 and E3.

Company Product Information

Environmental

As a member of NZGBC, Ecoplus Systems is committed to providing products that help architects, construction companies and other stakeholders create buildings that efficiently meet the health and well being of occupants while also protecting the surrounding environment.

Ceiling and Wall Plasterboard Grid System is modular, can be disassembled, relocated and reused. Components can be fully recycled at the end of life.

Quality Assurance



ISO 9001 (Quality Management)

Relationships



Member of New Zealand Green Building Council



BEAL; building element assessment laboratory IN1006



Date last validated: **06 June 2017**



Date last updated: **06 June 2017**

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