



The ECOPLUS Range of Acoustic Plus Ceiling Tiles



Product

1.1 The ECOPLUS Range of Acoustic Plus Ceiling Tiles is a range of composite ceiling tiles of various thicknesses with high performance acoustic sound absorption/attenuation and thermal resistance properties.

1.2 Available in Six Variations with a thickness of 15mm - 60mm, Acoustic Plus Ceiling Tiles are manufactured from glass fibre acoustic absorber sheet laminated to foil lined plasterboard attenuator backing board.

1.3 Acoustic Plus Ceiling Tiles are engineered to provide the dual benefit of sound absorption and a high level of attenuation for effective control of both reverberation and transmitted noise from adjacent rooms and rain noise from roofs.

1.4 Acoustic Plus Ceiling Tiles contribute to energy efficiency providing reduced heating/cooling costs; and are certified non-toxic and low VOC.

1.5 The ECOPLUS Range of Acoustic Plus Ceiling Tiles are designed to be used with the ECOPLUS FasTLock Suspended Ceiling Grid System.

NZ Building Regulations

2.1 The ECOPLUS Range of Acoustic Plus Ceiling Tiles when designed, installed and maintained in accordance with the statements and conditions of this Product Technical Statement, will meet the following provisions of provisions of the New Zealand Building Code (NZBC):

- **Performance Clause B2 Durability;** B2.3.1 (c) 5 years
- **Performance Clause E3 Internal Moisture;** E3.2 (a) (c)
- **Performance Clause F2 Hazardous Building Materials;** F2.3.1 covering use of a non-hazardous material.
- **Performance Clause G6 – Airbourne & Impact Sound;** The product contributes to meeting the performances of G6.3.1 and G6.3.2

2.2 The ECOPLUS Range of Acoustic Plus Ceiling Tiles is considered as 'An Alternative Solution' in terms of compliance with the New Zealand Building Code (NZBC).

Applicant:



ECOPLUS SYSTEMS Ltd

P.O.BOX 105577 AUCKLAND, NZ

E-Mail: sales@ecoplus.com

Website: www.ecoplus-systems.com

Published by:

BEAL*

6B Cedric Place
Plimmerton, Porirua, NZ

P: +64 4 233 6661

E: bts@beal.co.nz

www.beal.co.nz

Scope and Limitations

3.1 The ECOPLUS Range of Acoustic Plus Ceiling Tiles are designed to be used with ECOPLUS FasTLock Suspended Ceiling Grid. FasTLock features Seismic Perimeter and Seismic Expansion Clips which allow the grid system to expand and contract during seismic activity coupled with integrated connection flukes on all main runner and cross tee components.

These important safety features provide a high level of connection strength and shear load capability, creating a stronger more durable grid system, particularly when subjected to abnormal stress or loading. Ecoplus Systems can assist with project specific seismic ceiling design calculations which will provide your building project with a high quality, versatile and performance tested suspended ceiling system.

3.2 The ECOPLUS Range of Acoustic Plus Ceiling Tiles are designed for use in retail spaces, schools, office spaces, theatres, etc. The six variations will suit most design demands based on acoustic and thermal requirements.

3.3 If designed, installed and maintained in accordance with all requirements, the ECOPLUS Range of Acoustic Plus Ceiling Tiles and ECOPLUS FasTLock Suspended Ceiling Grid are warranted for 15 years for residential and for commercial use.

3.4 The owner of the building is responsible for the proper maintenance of the installed ECOPLUS Range of Acoustic Plus Ceiling Tiles and ECOPLUS FasTLock Suspended Ceiling Grid as set out in the technical literature provided by ECOPLUS SYSTEMS Ltd.

3.5 The ECOPLUS Acoustic Plus Ceiling Tiles must be installed by suitably experienced and skilled tradespersons familiar with the manufacturers technical and installation literature and trained and approved by ECOPLUS SYSTEMS Ltd.

Technical Literature

Technical Literature Supplied

4.1 The ECOPLUS Wall and Ceiling Grid Technical Manual v1.0 must be read in conjunction with this Product Technical Statement. All aspects of design, use, installation and maintenance contained within the Technical Manual and scope of this PTS must be followed.

4.2 For a copy of this Technical Literature and any subsequent updates please refer to sales@ecoplus-systems.com.

Compliance Declaration

Claims

5.1 In the opinion of ECOPLUS, compliance with the relevant performance clauses of the New Zealand Building Code (NZBC) has been established based on the supplied documentation.

In-service History

5.2 ECOPLUS SYSTEMS Ltd. has provided a statement of in-service history demonstrating compliance with the NZBC over time in many projects. All of the data provided to the reviewer has been assessed for suitability.

Ease of Repair or Maintenance

5.3 The ECOPLUS Range of Acoustic Plus Ceiling Tiles can be cleaned with a soft nozzle vacuum, soft brush or cloth. Panels are demountable. ECOPLUS FasTLock Suspended Ceiling Grid can be disassembled and recycled or re-used.

5.4 Building owners are responsible for the maintenance of the ECOPLUS Range of Acoustic Plus Ceiling Tiles and ECOPLUS FasTLock Suspended Ceiling Grid. Compliance with this Product Technical Statement is reliant on the building owner maintaining the product in accordance with the manufacturer's maintenance instructions.



C R Prouse - Director

Building Element Assessment Laboratory Limited