BEAL Appraisal Certificate

EXPIRY DATE: 30 Apr 2027

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. The range also includes a Vinyl Tone plasterboard ceiling tile and a mineral fibre tile.

1.2 The ECOPLUS Acoustic Plus Ceiling Tiles are manufactured from glass fibre acoustic absorber sheet laminated to foil lined plasterboard attenuator backing board.

1.3 The 10mm thick Vinyl Tone tile is available in a 1195 x 595 x10mm size with a square edge, while the Mineral Fibre acoustic tile is available in a range of sizes with either a square or tegular edge profile.

1.4 The Dual Bloc 35mm and 60mm panels are available in a 1195mm x 595mm size.

1.5 The High Performance panels are available on a range of sizes in either a 15mm or 25mm thickness.

1.6 The 15mm thick Mineral Fibre acoustic ceiling tile is available either in a 1195 x 595mm or 595 x 595mm size.

1.7 These 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 noise from roofs.

1.8 They contribute to energy efficiency providing reduced heating/cooling costs and certified non-toxic and low VOC.

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

Key Performances	Evidence of Performance	Reviewed by
B2.3.1 (c) at least 5 years	In-service history + expert opinion	BEAL expert opinion*
E3.2 (a) (c) Internal moisture	In-service history + expert opinion	BEAL expert opinion*
F2.3.1 non-hazardous material	In-service history + expert opinion	BEAL expert opinion*
G6.3.1 & G6.3.2 Airborne and Impact Sound	Test Reports + expert opinion	

*BEAL is a New Zealand based & recognized testing a certification body providing specialist services to numerous clients throughout New Zealand, Australia & Internationally. Refer to Who is BEAL?

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Scope and Limitations

2.1 The ECOPLUS Range of Acoustic Plus Ceiling Tiles are designed to be used with the 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.

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

Technical Literature

Technical Literature Supplied

3.1 The ECOPLUS Wall and Ceiling Grid Technical Manual v1.0 together with the relevant ceiling tile or panel data sheet must be read in conjunction with this Appraisal. All aspects of design, use, installation and maintenance contained within the Technical Manual and scope of this Appraisal must be followed.

3.2 The following data sheets are available from the manufacturer's web site:

1. Vinyl Tone Plasterboard Ceiling Tile;
2. Dual Bloc 35mm Ceiling Panels;
3. Dual Bloc 60mm Celing Panels;
4. High Performance Ceiling Panels;
5. Mineral Fibre Acoustic Ceiling Tile
6. Sound Absorbing Cloud Panels.

3.3 For a copy of this Technical Literature and any subsequent updates please email sales@ecoplus-systems.com

Technical Details

Design details

4.1 As described earlier, the Acoustic Plus Ceiling Tiles are available in Six Variations with a thickness of 15mm - 60mm, to suit the design and application environment. Acoustic Plus Ceiling Tiles are manufactured from glass fibre acoustic absorber sheet laminated to foil lined plasterboard attenuator backing board.

Ease of Repair or Maintenance

4.2 The ECOPLUS Range of Acoustic Plus Ceiling Tiles and Panels 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.

4.3 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 Appraisal is reliant on the building owner maintaining the product in accordance with the manufacturer's maintenance instructions.

Installation

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

Warranty

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

Sources of Information

- AS 1791:1986 Chromate conversion coatings
- AS 2946:1991 Suspended ceilings, recessed luminaries and air diffusers – Interface requirements for physical compatibility
- AS 4600:1996 Cold form steel structure code
- AS 4680:2006 Hot-dipped galvanised (zinc) coatings on fabricated ferrous materials.
- AS/NZS 1170:2002 Structural design actions
- AS/NZS 1397:2001 Steel sheet and strip – Hot dipped zinc coated or aluminum /zinc coated
- AS/NZS 2785:2000 Suspended ceilings – Design and installation
- AS/NZS 3101:2006 Concrete structures standard
- AS/NZS 4534:2006 Zinc and zinc/aluminum alloy coatings in steel wire
- NZS 3602:2003 Timber and wood-based products for use in building
- NZS 3603:1993 Timber structures standard
- NZS 3604:1999 Timber-framed buildings
- NZS 4219:1983 Specification of seismic resistance of engineering systems in buildings
- The Building Regulations 1992, up to and including October 2004 Amendment
- Acoustic Test Report T1629 from the University of Auckland dated 22 June 2016
- Acoustic Test Report T1620 from the University of Auckland dated 20 June 2016
- Acoustic Test Report T1629-5 from the University of Auckland dated 20 June 2016
- Ceiling Attenuation Class Test Report 2024-281 from Canterbury Testing Services dated 9thb Oct 2024
- Ceiling Attenuation Class Test Report 2025-325 from Canterbury Testing Services dated 1st Jan 2026
- Fire Test Report FH 4847 from BRANZ dated 25 June 2012
- Fire Test Report FH 4908 from BRANZ dated 25 June 2012
- Fire Test Report FH 5198 from BRANZ dated 27 June 2013

Concluding statement

9.1 In the opinion of BEAL, the ECOPLUS Range of Acoustic Plus Ceiling Tiles is fit for purpose and will comply with the NZBC provided that it is designed, installed and maintained as per this Appraisal Certificate and the technical literature.

The Appraisal Certificate is issued only to ECOPLUS Systems Ltd, and will be reviewed within 3 years from the date of issuance unless audits require otherwise, subject to the conditions of appraisal.

Conditions of Appraisal

10.1 This Appraisal Certificate:

A) Relates to the ECOPLUS Range of Acoustic Plus Ceiling Tiles and Panels as described herein;

B) Must be read, considered and used in full together with the relevant Technical Literature

C) Does not address any legislation, regulations, codes or standards, not specifically named herein;

D) Is copyright to BEAL.

10.2 The Appraisal Certificate holder continues to meet the quality requirements of the ECOPLUS Building Product Quality Plan and has this certificate revalidated by BEAL on an annual basis.

10.3 ECOPLUS Systems Ltd shall notify BEAL and obtain approval of any changes in product specification or quality assurance prior to product being marketed including any trade literature, web site info or the like.

10.4 BEAL makes no representation as to:

A) The nature of individual examples of, batches of, or individual installations of the product, including methods and workmanship;

B) The presence or absence of any patent or similar rights subsisting in the product or any other product;

C) Any guarantee or warranty offered by the Appraisal Certificate holder.

10.5 BEAL's verification of the building product or system complying with one or more of the above-mentioned criteria is given on the basis that the criteria used were those that were appropriate to demonstrate compliance with the NZBC at the date of issuance of this Appraisal Certificate. In the event that the criteria is withdrawn or amended at a later date, this Appraisal may no longer remain valid.

10.6 Any reference in this Appraisal Certificate to any other publication shall be read as a reference to the version of publication specified in this Appraisal Certificate.

Authorised Signatory

C R Prouse - Director
BEAL (Building Element Assessment Laboratory Limited)
[Revised and updated May 2026]

