



# Acoustic Plus

## DUAL BLOC 35MM CEILING PANELS

Absorber/Attenuator NRC .70 CAC 42

Square edge (SQ)



Product item	Edge	Code
1195 x 595 x 35mm	SQ	DUAL335

### Description

Acoustic Plus Dual Bloc is a 35mm thick composite acoustical suspended ceiling tile. The combination of sound absorbing glass fibre laminated to a foil lined plasterboard attenuator backer is engineered to provide the dual benefit of sound absorption at NRC .70 and a high level of attenuation at CAC 42 for cost effective control of both reverberation and transmitted noise from adjacent rooms.

### Composition

Acoustic Plus Dual Bloc is manufactured from a 100kg /m<sup>3</sup>, 25mm thick glass fibre acoustic absorber, laminated to a 10mm, foil lined plasterboard attenuator backing.

### Ideal uses

- Schools / educational facilities
- Open plan office and call centre environments
- Under metal roofs to muffle rain noise

### How to specify

EcoPlus Systems products are available for specification on Masterpsec and Smartspec. Specification documents can also be downloaded from [www.ecoplus-systems.com](http://www.ecoplus-systems.com) or call 0800 432 676

### System integration for balanced acoustic design

Acoustic Plus™ is a range of matching ceiling tiles. Each type of tile has specific acoustic attributes and when used in conjunction with each other, provides a balanced acoustic environment - all with a matching surface finish. Integrate Acoustic Plus Dual Block 35 with Sound Reflector to enhance speech intelligibility. Ideal for education builds.

### Sound Absorption - ASTM C423 ISO 354

NRC 0.70 αw 0.60	frequency (Hz)	500	1000	2000	4000
Practical sound absorption coefficients		.60	.90	1.0	.95

### Fire Class

NZBC Group1S

### Thermal Resistance

R.84 m<sup>2</sup> K/W

### Weight

9.3 Kg's per m<sup>2</sup>

### Installation

The building must be water tight and dry before installation commences. M/E fittings should be independently supported.

### Maintenance and accessibility

Acoustic plus ceiling tiles can be cleaned with a soft nozzle vacuum, soft brush or cloth. Panels are demountable.

Features	Benefits
High sound absorption - NRC 0.70 αw .60	Reduced background noise and reverberation
Attenuation of airborne noise - STC 21 db / CAC 42	Effective room to room privacy / Muffles rain noise
Thermal efficiency R.84 m <sup>2</sup> K/W	Efficient use of energy / Reduced heating cost
Certified non toxic and low VOC	Sustainable, helps achieve points toward Green Star fit-outs
Hygienic surface finish	Cleanable, resistant to mould and bacteria
Foil backing and enclosed edges - Dry cell	Prevents tile damage from water egress through the ceiling
<b>The acoustic performance of this product has been tested and measured by Auckland University Acoustic Services</b>	