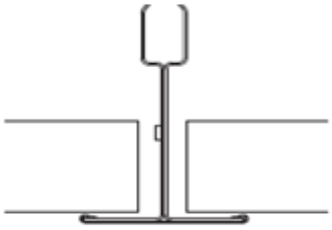
Acoustic Plus

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 /m3, 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 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 0.95	frequency (Hz)	500	1000	2000	4000
Practical sound absorption coefficients		.60	.90	1.0	.95

Fire Class	Thermal Resistance	Weight
NZBC Group1S	R.84 m2 K/W	9.3 Kg's per m2

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 reaching an NRC of up to 0.95.	Reduced background noise and reverberation
Attenuation of airborne noise reaching a CAC of up to 65.	Effective room to room privacy / Muffles rain noise
Thermal efficiency R.84 m2 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
The acoustic performance of this product has been tested and measured by Auckland University Acoustic Services	