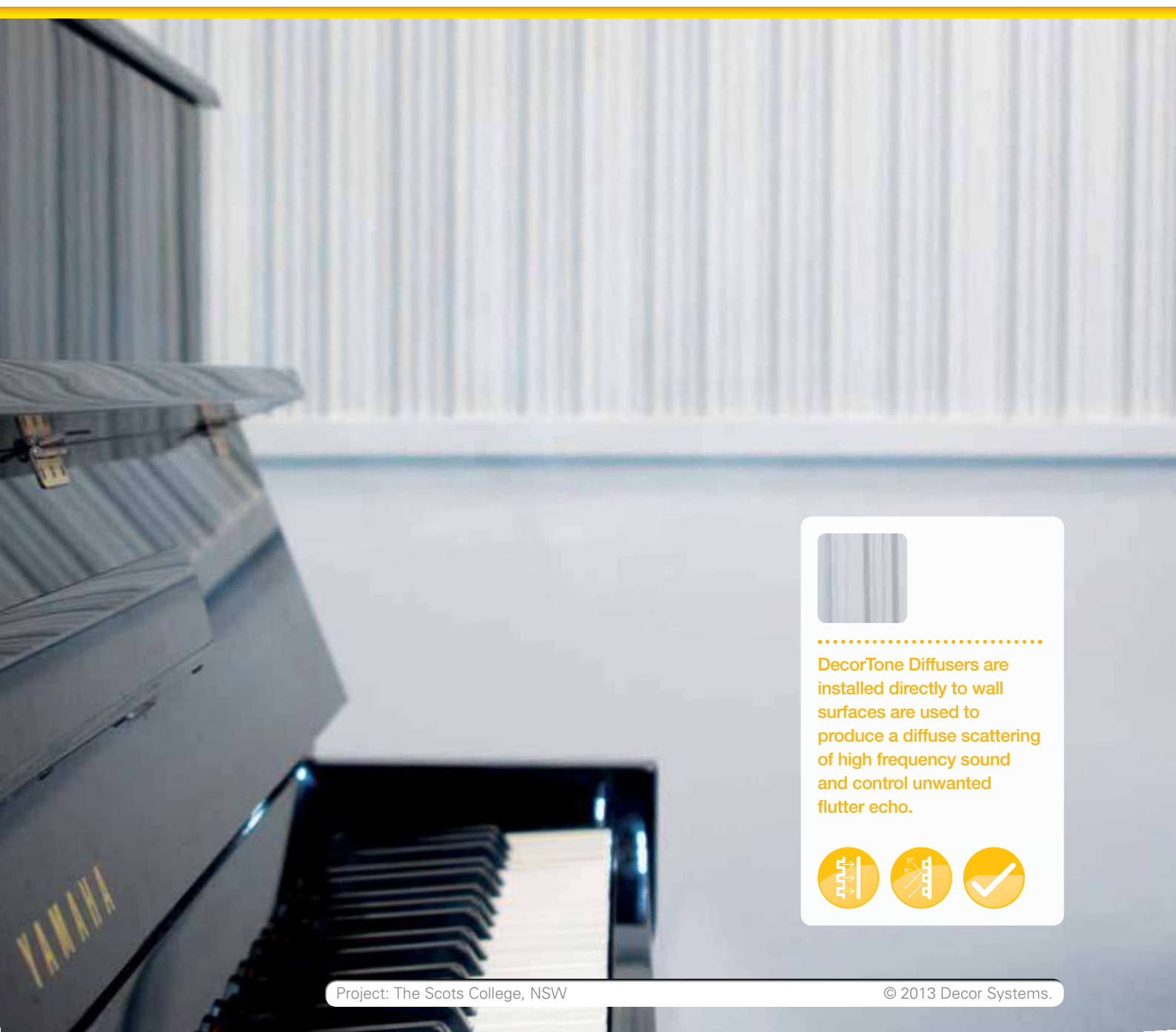

DecorTone

TIMBER DIFFUSER PANELS



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DecorTone Diffusers are installed directly to wall surfaces are used to produce a diffuse scattering of high frequency sound and control unwanted flutter echo.



DecorTone Diffuser Panels bring together the beauty of natural timber with the science of quadratic theory to create sound diffusing wall finishes that produce superior acoustic outcomes in challenging acoustical environments.

DecorTone Diffusers are used to produce a diffuse scattering of high frequency sound and control unwanted flutter echo. Grooved channels in the surface are a sequence of elevations designed based on sound quadratic theory.

DecorTone Diffusers are manufactured from planks that are grooved in a sequence of sound scattering wells of varying depths. The planks are installed side by side so the sequence of wells repeats itself across a wide area using seamless tongue and grooves.

PRODUCT FEATURES

Offers mid-high frequency sound diffusion in a decorative, Western Red Cedar planks. As a budget alternative, DecorTone is also available in MDF.

Simple installation direct to wall surface or on furring channels with our proprietary clip system.

Provides flutter control, bass absorption, enhanced speech intelligibility and overall sound quality.

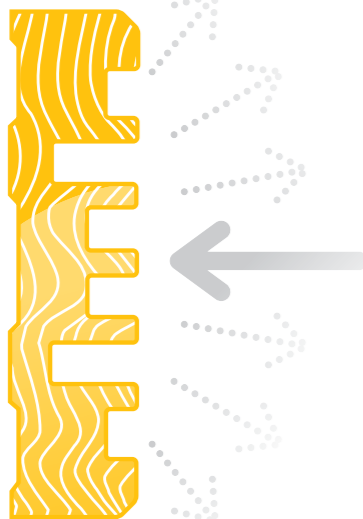


HOW DECORTONE DIFFUSERS WORK

An acoustically diffusing surface is one that scatters sound in all directions rather than giving a single reflection. This scattering of sound gives a good mix of sound and is particularly beneficial for music as it allows the listener to feel enveloped in the sound. In more modern spaces, diffusion is provided by specialist acoustic diffusers. Diffusion makes a space sound bigger and so is useful in smaller rooms such as recording studios. It is also beneficial in regular shaped rooms to help break up standing waves / room modes. Acoustical reflection is often desirable in critical listening environments versus the absorption and deadening of sound energy. Higher frequency sound reinforcement through early reflections off of the walls adds brilliance to music and improves speech intelligibility.

Higher frequency sound is easily absorbed by common materials such as curtains, fabric covered chairs, and people's clothing. Designing the room to create a scattering of high frequency sound reflections across the listening space is preferable and often required to prevent unwanted flutter echo. Perfect for contexts where communication is paramount, the Decor Tone panels provide flutter control, bass absorption, enhanced speech intelligibility and overall sound quality. The innovative, machined panels avoid deadening the space, and promote speech intelligibility and reach. In addition to the remarkable acoustic qualities, the panels can be

painted any colour, and make a great impact on the ambience of auditoriums, lecture halls, recording studios, performance spaces, call centres and home entertainment facilities.

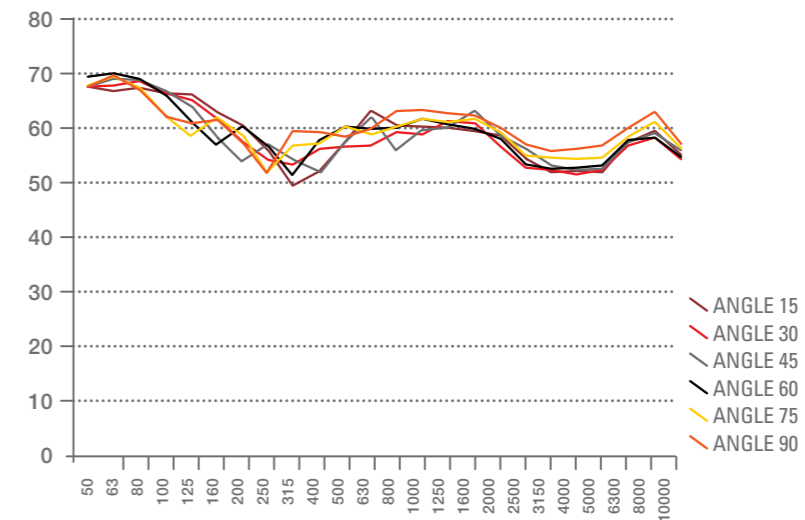


An acoustically diffusing surface is one that scatters sound in all directions rather than giving a single reflection.

ACOUSTICAL PERFORMANCE

DecorTone Diffuser Planks have been tested in Australia. A complete copy of these tests is available on request.

Acoustic Report - DecorTone Diffuser Panel Tests



Application

- DecorTone is ideal for:
- Conference Rooms
 - Auditoriums
 - Lecture Halls
 - Public Spaces
 - Recording Studios
 - Home Entertainment Facilities
 - Performance Spaces
 - Call Centres
 - All critical listening environments

Benefits

- Minimises flutter echoes without deadening the space
- Provide an ambient environment to support speech, giving superior coverage and higher speech intelligibility
- Can be painted in any colour
- Offers an alternative solution to sound absorbing panels that may create a space that is acoustically 'dead'
- Rich timber lustre

For more information or to talk to one of our consultants, visit our website or call our free phone number.

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QLD	160 Lytton Road Balmoral Qld 4191	qld@decorsystems.com.au	1800 835 035
NZ	40 Edwards Street Rangiora 7400	nz@decorsystems.co.nz	Freecall 0800 000 697



Installation

DecorTone Diffuser Panels are supplied to site ready for on-site clear finishing or painting.

As timber is a natural product, there will always be variation in texture and colour from plank to plank. This is part of the natural beauty inherent in timber.

Installation should not commence until building is watertight and dry. Allow DecorTone panels to acclimatise for 3 - 4 days prior to installation. Decor Tone panels to be installed utilising Decor Fix Clip System.

On project completion, Decor Systems Australia to issue Project Certification of Compliance.



Substrate

DecorTone is manufactured from Western Red Cedar or Medium Density Fibreboard (MDF). DecorTone is a wood based panel and may react to changes in moisture. Variations in temperature, humidity, and light may cause some expansion.



Weight

Approximately 14.5kg/m²



Environmental Impact

Manufactured with E0 or E1 MDF or from renewable Western Red Cedar or solid timber species. Product and packaging are fully recyclable.



Technical Specifications

Item #: DT888D
Size (nominal): 2400 x 100 x 25
Edge: Square



Specifications

Supply and install DecorTone Diffuser Panels as supplied by Decor Systems Australia. Size 2400 x 100x25 mm (nom).

