

# Designpanel



## TECH DATA

### Benefits

- Excellent broadband sound diffusion and absorption to improve the acoustics in large open areas
- Four tapered edges and high quality precision perforations deliver superior aesthetic internal lining finishes
- Four styles meet a range of design requirements
- Certified for use in Green Star projects



Designpanel is ideal in large open areas such as lecture theatres to improve the acoustic experience.

Designpanel is a precision engineered perforated plasterboard delivering both sound diffusion and absorption to create enhanced speech intelligibility and a high quality sound experience. Available in four styles, Designpanel is ideal for use in a range of commercial applications where controlling the sound reverberation time is required for large open areas such as lecture theatres, shopping centres and schools.

### Product Information

SHEET SIZE	THICKNESS (mm)	WIDTH (mm)	LENGTH (mm)	WEIGHT* (kg/m <sup>2</sup> )
	13	900 - 1200	2400	8.8 - 8.9
EDGE	4 tapered/recessed edges			
PATTERNS	Quadril (Q2F) - Square 12mm x 12mm Tangent (T3L4) - Oval 4mm x 14mm Globe (G2F) - Circle 6mm Micro (M2F) - Square 3mm x 3mm			
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties Average Specific Extinction Area < 250 m <sup>2</sup> /kg as required by BCA Specification C1.10a, Clause 3(c) Group 1S according to NZBC Performance Clause 3.4(a)			
COMBUSTIBILITY	Classified as non-combustible according to the BCA Section C1.12			
HAZARDS IDENTIFICATION	Not classified as hazardous according to the criteria of NOHSC Australia			

\* Weights indicated are nominal

### Application

Designpanel is used for internal wall and ceiling lining applications where it is necessary to control sound reverberation and increase sound absorption.

It is ideal in high traffic commercial areas and can also be used in residential applications such as open plan living areas and home theatres.

Designpanel can be used within aesthetic and acoustic systems that require certified plasterboard to achieve 100% points in the relevant categories for Green Star projects.



## TECH DATA

### Performance



#### Sound

Excellent broadband sound absorption and diffusion to optimise the reverberation time and improve the overall acoustic environment.



#### Decorative

A range of four styles which can easily be installed, interspersed with standard plasterboard.

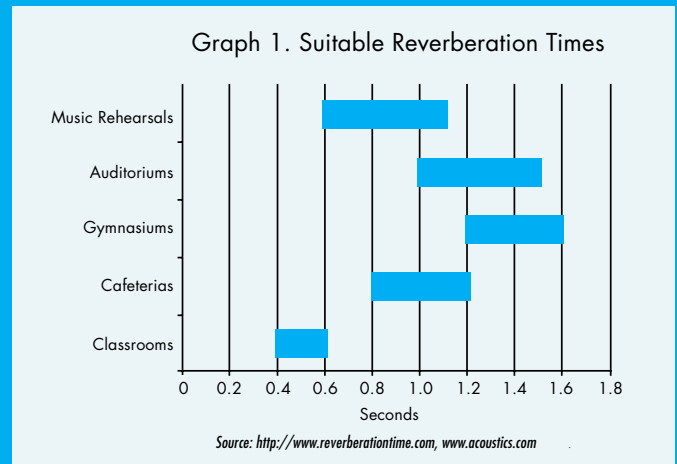


Chart 1 highlights some suggested reverberation times to optimise the acoustic environment. The ideal reverberation time depends on the use of the space.



Globe

Micro

Tangent

Quadril

#### Installation

Designpanel must be installed using fasteners only for all wall and ceiling systems.

For all plasterboard joints use MastaMate Paper Tape and apply two coats of MastaBase or MastaLongset, followed by a final coat of MastaFinish, MastaGlide or MastaLite finishing compound. Care should be taken during joint-setting to avoid blocking of perforations.

#### Painting

Only use roller application for painting Designpanel. Roller application applies a uniform texture over the entire surface and ensures the paint does not contact the protective mat fixed to the back of the plasterboard.

Use a short napped roller and to avoid getting paint in the perforation holes do not overload the roller. Spray application of paint is not permitted.



Designpanel is manufactured in accordance with quality systems certified as complying with ISO 9001:2008.



Designpanel has been certified by Global GreenTag to GreenRate Level A, recognised by the GBCA for Materials and VOC credits, and by the NZGBC.

#### Warranty

Knauf's products are guaranteed by a 10 Year Warranty.

For details visit

[knaufplasterboard.com.au](http://knaufplasterboard.com.au)  
[knaufplasterboard.co.nz](http://knaufplasterboard.co.nz)

#### Technical Advice

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