



decorLUX™

DecorLux ○ Perforated Fibre Cement

○ innovative ○ intelligent ○ functional

ACOUSTIC PANEL SYSTEMS FOR INTERNAL  
AND EXTERNAL WALLS AND CEILINGS

**DECOR®**

# DECORLUX™ AT A GLANCE

- 1 All the benefits of fibre cement with advanced acoustic ratings
- 2 Makes walls and ceilings more attractive and functional
- 3 Accepts a variety of surface finishes
- 4 Smooth, strong, long lasting
- 5 Available in full sheets or ceiling tiles for exposed grid systems
- 6 Recessed and square edge sheets
- 7 Available perforated or bordered to highlight the perforations
- 8 100% Australian made product



ACOUSTICS

@ WORK

# DECORLUX™ FEATURES

## Product Description

Round-hole perforated fibre cement lining panel which is easily incorporated into a wide variety of wall and ceiling systems. When supplied with our optional DecorSorb Acoustic Backing, DecorLux provides a tough, durable lining with excellent acoustic properties, or alternatively may be installed with your nominated insulation.

DecorLux is available with a choice of joint details to suit specific project requirements and due to its versatile fibre cement substrate, will not burn, rot, or warp, making it ideal for high humidity or corrosive environments. These features make it an excellent eave soffit lining material allowing roof space ventilation for the removal of moisture laden air.

## Product Features

- Unaffected by steam, moisture, sunlight or vermin
- Excellent water resistant properties
- Ideal in harsh environments
- Variety of jointing options

## Variations

- Square or recessed edge
- Range of sheet sizes or ceiling panels
- DecorSorb Integrated Acoustic Backing not recommended for use in wet areas

## Jointing Options

- Vee or Expressed Joint
- Recessed edge for Flush Joint
- PVC H-Mould Cover Mould



## Your Decor Systems' Technical Consultant can help.

Avail yourself of Decor Systems' Technical Support from the earliest planning stages.

For prompt answers to your questions, general and technical advice, product samples, absorption coefficients, and support from planning to specification to installation - we welcome your contact.

great design  
should be  
**SEEN** not heard



## Material Sizes

Standard panel size availability shown below. For non-standard sizes consult Decor Systems Technical Staff.

Length	Width 900mm	Width 1200mm
1800mm		• ◦
2400mm	• ◦	• ◦
2700mm		• ◦
3000mm	◦	• ◦
3600mm	◦	• ◦

• Square Edge ◦ Recessed Edge

## Suspended Ceiling Panels

Available to suit both 1200 x 600mm and 600 x 600mm grid modules. Select either paint-grade or white vinyl laminated finish in any of the following perforation patterns. A nominal 25mm unperforated margin is standard. Custom sizes are available, please consult Decor Systems Technical Staff.

## Perforation Patterns

Illustrated at the top of the next page are the standard perforation patterns available for full sheets. For margin options, consult Decor Systems Technical Staff.

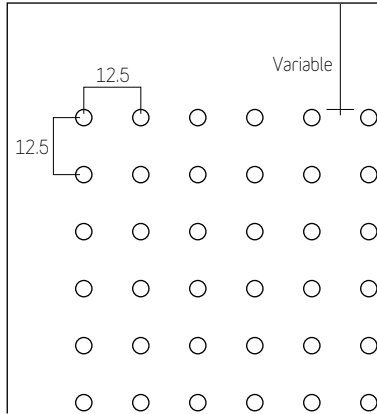
Insert perforation diameter code at end of Product Type. Example Type AL125S/45, is DecorLux Type 125S with 4.5mm perforations.

## Open Area Guide

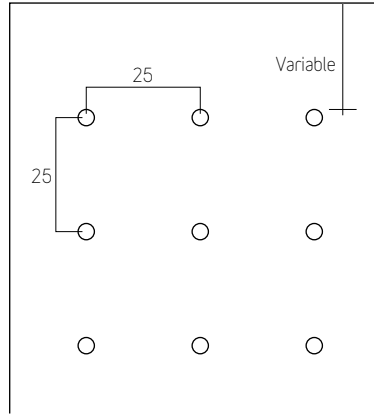
Diameter	Type	Type	Type	Type	Type	
mm	Code	AL125S	AL250S	AL250D	AL500S	AL1000S
4.5	45	10.2%	2.5%	5.1%		
300	300				28.3%	
570	570					25.5%

## Perforation Patterns

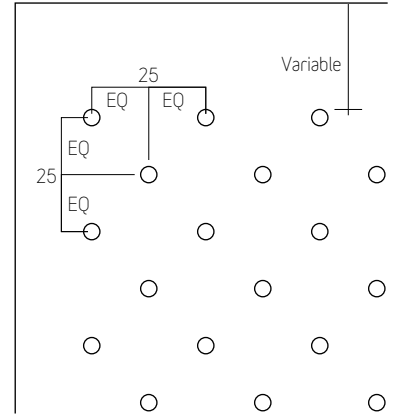
Product Type AL125S/45  
4.5mm Diameter Perforations



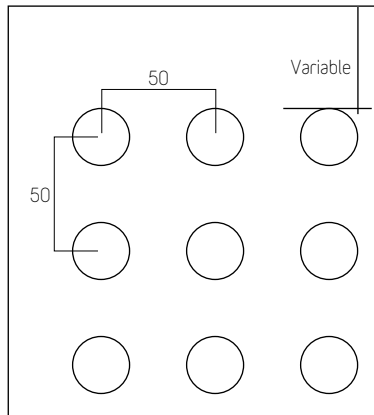
Product Type AL250S/45  
4.5mm Diameter Perforations



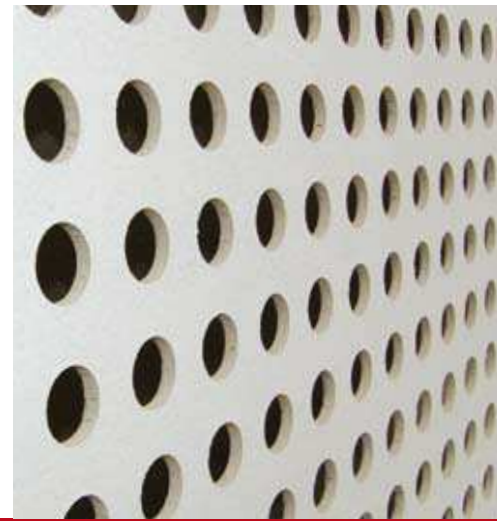
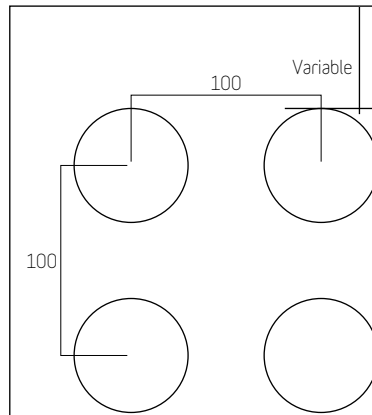
Product Type AL250D/45  
4.5mm Diameter Perforations



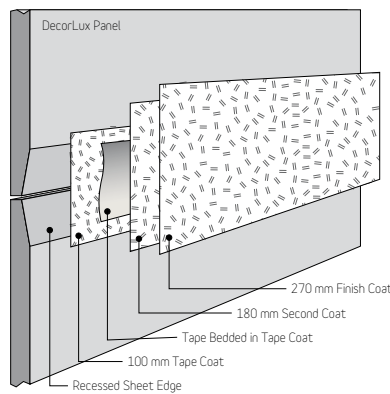
Product Type AL500S/300  
30.0mm Diameter Perforations



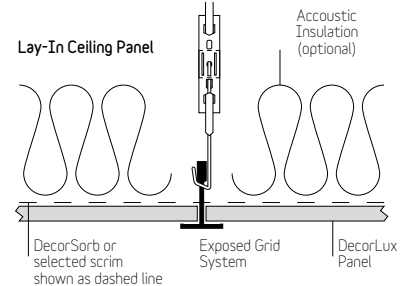
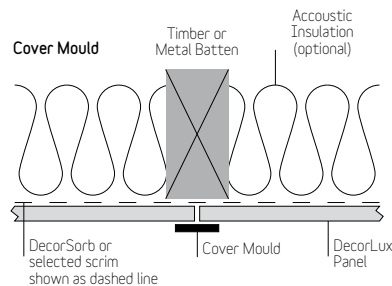
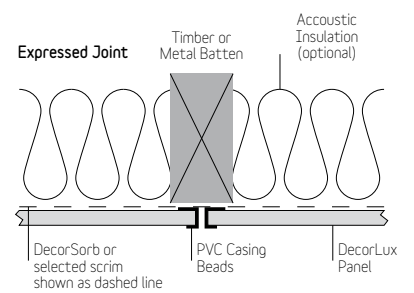
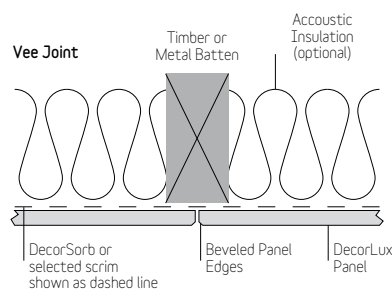
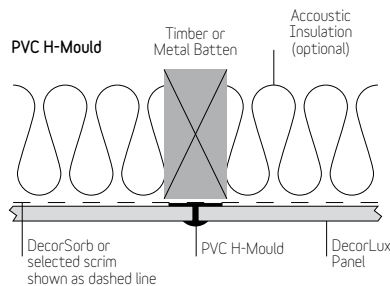
Product Type AL1000S/570  
57.0mm Diameter Perforations



### Recessed Joint Finishing



## JOINTING AND INSTALLATION



Attention - The method of fixing indicated for this product is of a general nature only and does not allow for specific design criteria such as wind loads, expansion joints or any other special design requirements which should be separately provided for by the specifier. Due to continual product improvement the information in this publication is subject to alteration without notice. Refer to fibre cement manufacturers installation manual for comprehensive fixing details. © Copyright. No part of this publication may be reproduced without the written consent of Decor Systems Australasia.

## Installation Details

The table shown on the right provides a fixing guide for general commercial applications.

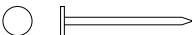

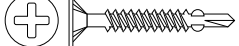
Sheet should be fixed at right angles to framing where possible with sheet ends coinciding with framing members. Do not fix sheets directly to the underside of roof framing or structural members. Battens or furring channels must be used. Closer framing centres are required for high wind applications and where sheets are to be curved. For these applications or where flush jointing is to be incorporated, consult Decor Systems Technical Staff for details.

## Margin Options

Unperforated longitudinal margins are available in increments determined by the pitch of the pattern nominated. Please consult Decor Systems Technical Staff if further details are required.

## Jointing Details

Please note: Acoustic insulation and selected scrim are only applicable in acoustic applications.

Material Thickness (mm)	Maximum Framing Centres (mm)	Fastener Centres Perimeter (mm)	Fastener Centres Intermediate (mm)	Expansion Joints Required	Fastener Type	
60	600	Walls			Yes, Flush jointed applications only	Timber 3.0 x 2.8 fibre cement nail 
		200	300	Steel - Light Gauge SEH 8/20 S pt Screw 		
		Ceilings			Yes, Flush jointed applications only	Steel - 0.75 to 1.2 mm Thick HD 8/22 screw 
		200	250			

Locate fasteners not less than 12mm from sheet edges and 50mm from sheet corners.

General fixing guide only, consult Decor Systems Technical Staff for full details

\*Limited range of patterns available, consult Decor Systems Technical Staff

# YOUR SUGGESTED SPECIFICATIONS

This suggested specification is submitted without prejudice, and does not take into account specific criteria or other design requirements which must be addressed by the specifier.

*The following draft specifications contain sections of italicised text where the specifier's input is required.*

Text identified with an asterisk\* requires the non applicable wording to be struck out or deleted.

Text containing '.....' requires the specified information to be inserted.

## 1.0 GENERAL

### 1.1 SCOPE

Materials listed below to be supplied and installed to all areas detailed on drawings, or otherwise quantified.

### 1.2 QUALIFICATIONS

Installation shall comply with the relevant building codes using approved fixings and the work executed by competent tradesmen.

### 1.3 STORAGE OF MATERIALS

All materials delivered to site shall be stored flat in an enclosed shelter, providing protection from damage and exposure to the elements. Damaged or deteriorated materials shall be immediately removed from site.

## 2.0 PRODUCT

*Important: Where acoustic performance is required, add DecorSorb after the product type in clause 2.1 and include paragraph 2.2 in project specification.*

### 2.1 PANELS ALTERNATIVE 1

*Ceilings/walls\** shall be *DecorLux/DecorSorb\** perforated fibre cement sheeting by Decor Systems Australasia, Telephone 02 9748 1800.

Panels shall be Decor Systems Product Type ..... and 6mm thick with square/recessed edges\*, allowing a nominal ..... mm unperforated margin down both long sides of the sheet (optional). The Decor Systems Consultant for this project is:

### 2.1 PANELS ALTERNATIVE 2

Suspended ceiling panels shall be *DecorLux/DecorSorb\** perforated fibre cement sheeting by Decor Systems, Telephone 02 9748 1800. The Decor Systems Consultant for this project is:

Panels shall be Decor Systems Product Type ..... and 6mm thick to suit a 1200 x 600mm/600 x 600mm\* grid module and have nominal 25mm unperforated border.

### 2.2 INSULATION ALTERNATIVE 1

Panels shall be supplied with Decor Systems DecorSorb Acoustic Backing and conform to Acoustic Test Report No. A03RMST1.

### 2.2 INSULATION ALTERNATIVE 2

Panels shall be installed with ..... type and thickness backing insulation at the rear of each panel. Insulating materials to be laid across ..... mm battens with fabric facing tensioned over battens to create a ..... mm deep air gap/installed with insulation fitted between support members

and fabric facing fitted over entire surface area\* carefully installed to avoid creasing.

### 2.3 EXECUTION ALTERNATIVE 1

Wall studs, ceiling battens or furring channels shall be spaced at ..... mm centres and panels laid at right angles to these members. Double furring channels or battens to be provided at sheet end joints for ceiling applications. Panels to be fixed with ..... x .....mm size ..... type of fastener at ..... mm fixing centres around perimeter of panels and at ..... mm fixing centres within the body of the panel. Panels shall be butted together and installed to create ..... mm expressed joint/joints covered with a ..... x .....mm size ..... type timber cover strip/fitted into appropriately sized H-mould sheet holders/joints taped, and flush jointed in accordance with manufacturer's published specifications.\*

### 2.3 EXECUTION ALTERNATIVE 2

Install ceiling panels in a ..... x ..... mm size roll-formed steel/aluminium\* T Bar exposed grid system incorporating 38mm main tees, 33mm cross tees and ..... type wall angle. Suspend with 5mm galvanised suspension rod and spring suspension hangers all in accordance with manufacturer's published specifications

## 2.4 COMPLETION

Upon completion of the installation, check that all panels and cover moulds (if applicable) are securely fastened to their framing members and all fixings are properly stopped with an approved filler. Surface to be prepared to an approved standard in readiness to receive surface treatment applied by others.

M 17.1



Front & Back Cover  
AGL, Melbourne  
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**DECOR**<sup>®</sup>  
  
THE FINISHING TOUCH

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