

data sheet

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 Integrated Acoustic Backing (IAB) Au-diLux provides a tough, durable lining with excellent acoustic properties, or alternatively may be installed with your nominated insulation.

Au-diLux 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 roofspace 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
- Integrated Acoustic Backing (IAB), not recommended for use in wet areas
- Vinyl face available (square edge panels only)
- 6 standard perforation patterns

Jointing Options

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

Material Sizes

Standard panel size availability shown below. For non-standard sizes consult Atkar 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 Atkar Technical Staff. Refer to 1.4 – 1.9 for Full Scale Pattern Illustrations.

Perforation Patterns

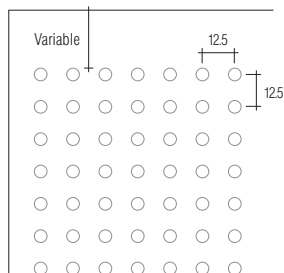
Illustrated below are the standard perforation patterns available for full sheets. For margin options, consult Atkar Technical Staff.

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

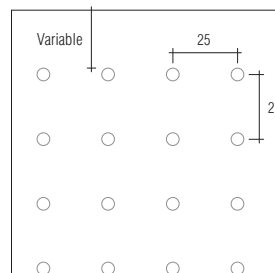
Open Area Guide

Diameter mm	Code	Type AL125S	Type AL250S	Type AL250D	Type AL500S	Type AL1000S
		4.5	45	10.2%	2.5%	5.1%
7.0	70		6.2%			
30.0	300				28.3%	
57.0	570					25.5%

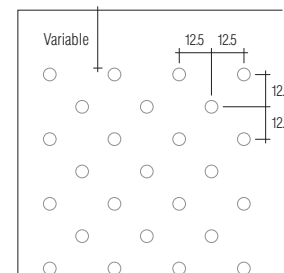
Product Type AL125S/45
4.5mm Diameter Perforations



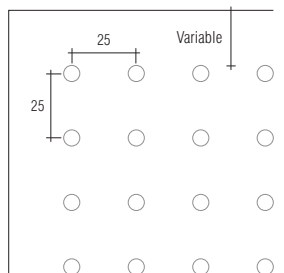
Product Type AL250S/45
4.5mm Diameter Perforations



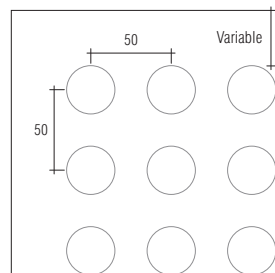
Product Type AL250D/45
4.5mm Diameter Perforations



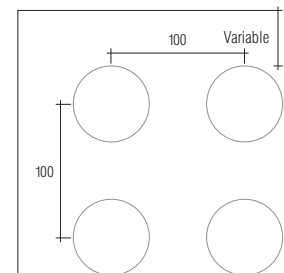
Product Type AL250S/70
7.0mm Diameter Perforations



Product Type AL500S/300
30.0mm Diameter Perforations



Product Type AL1000S/570
57.0mm Diameter Perforations



Refer to Au-diLux Data Sheet 1.4 – 1.9, for Full Scale Pattern Illustrations.

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Installation Details

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


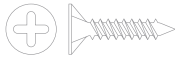
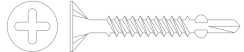
Au·diLux sheets should be fixed at right angles to framing where possible with sheet ends coinciding with framing members. Do not fix sheets directly to the underside of roof framing or structural members. Battens or furring channels must be used. Closer framing centres are required for high wind applications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

Margin Options

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

Jointing Details

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

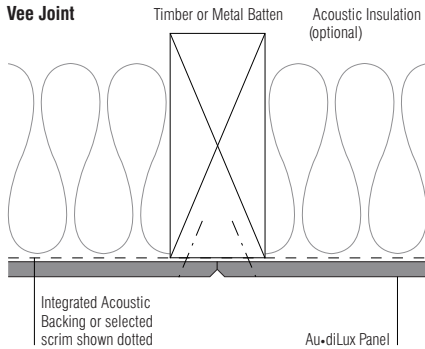
Material Thickness (mm)	Maximum Framing Centres (mm)	Fastener Centres Perimeter (mm)	Fastener Centres Intermediate (mm)	Expansion Joints Required	Fastener Type (Suit 6.0mm panels. For 9.0mm panels lengthen fasteners.)	
6.0/9.0*	600	Walls			Yes flush jointed applications only	Timber 3.0 x 2.8 fibre cement nail  Steel Light gauge steel SEH 8/20 S pt screw 
		Ceilings				
		200	250	Yes flush jointed applications only	Steel 0.75 – 1.2mm thick HD 8/22 screw 	

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

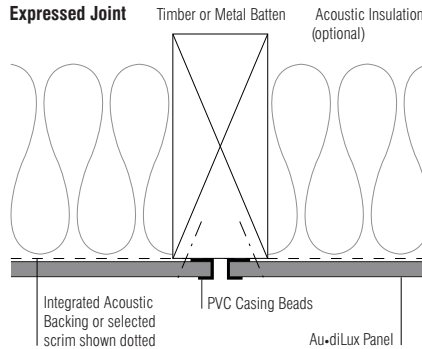
General fixing guide only, consult Atkar Technical Staff for full details.

* Limited range of patterns available, consult Atkar Technical Staff.

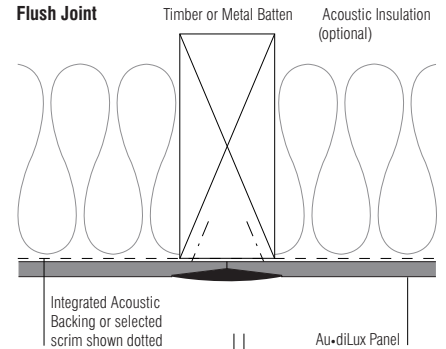
Vee Joint



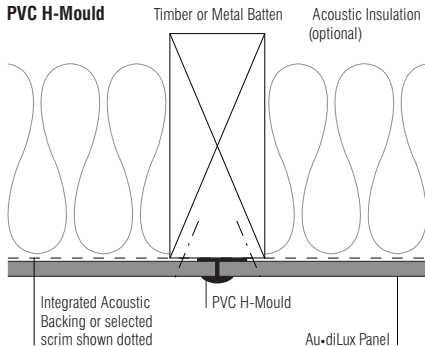
Expressed Joint



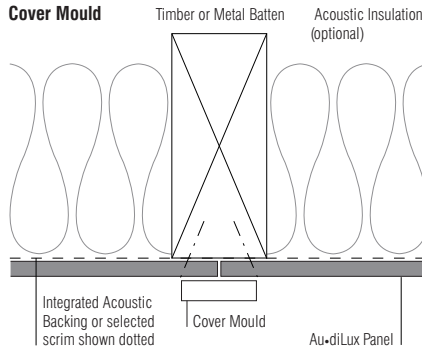
Flush Joint



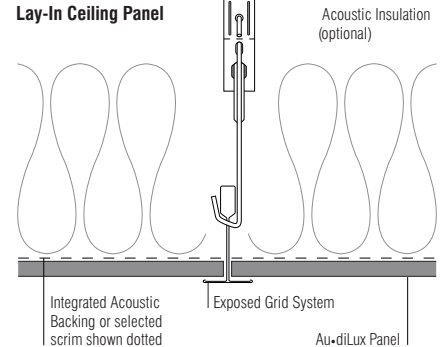
PVC H-Mould



Cover Mould



Lay-in Ceiling Panel



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.

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The following Draft Specification contains sections of italicised text where the specifiers 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 material shall be immediately removed from site.

2.0 Product

2.1 Panels Alternative 1

Ceilings/walls* shall be *Au-diLux/Au-diLux IAB** perforated fibre cement sheeting by Atkar, telephone 03 9796 3333. Panels shall be Atkar Product type andmm thick with *square/ recessed edges,** allowing a nominalmm unperforated margin down both long sides of the sheet (optional).

2.1 Panels Alternative 2

Suspended ceilings panels shall be *Au-diLux/Au-diLux IAB** perforated fibre cement panels by Atkar, telephone 03 9796 3333. Panels shall be Atkar Product type andmm thick to suit a *1200 x 600mm/600 x 600mm** grid module and have a nominal 25mm unperforated boarder.

2.2 Insulation Alternative 1

Panels shall be supplied with Atkar Integrated Acoustic backing (IAB).

2.2 Insulation Alternative 2

Panels shall be installed withtype and thickness backing insulation at the rear of each panel. Insulating materials to be *laid acrossmm battens with fabric facing tensioned over battens to create amm 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 atmm 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 withx.....mm sizetype of fastener atmm fixing centres around perimeter of panel and atmm fixing centres within the body of the panel. *Panels shall be butted together and installed to createmm expressed joint /joints covered with ax.....mm sizetype 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

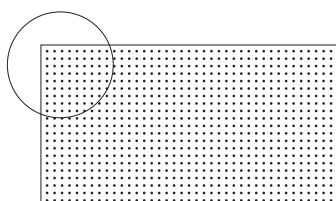
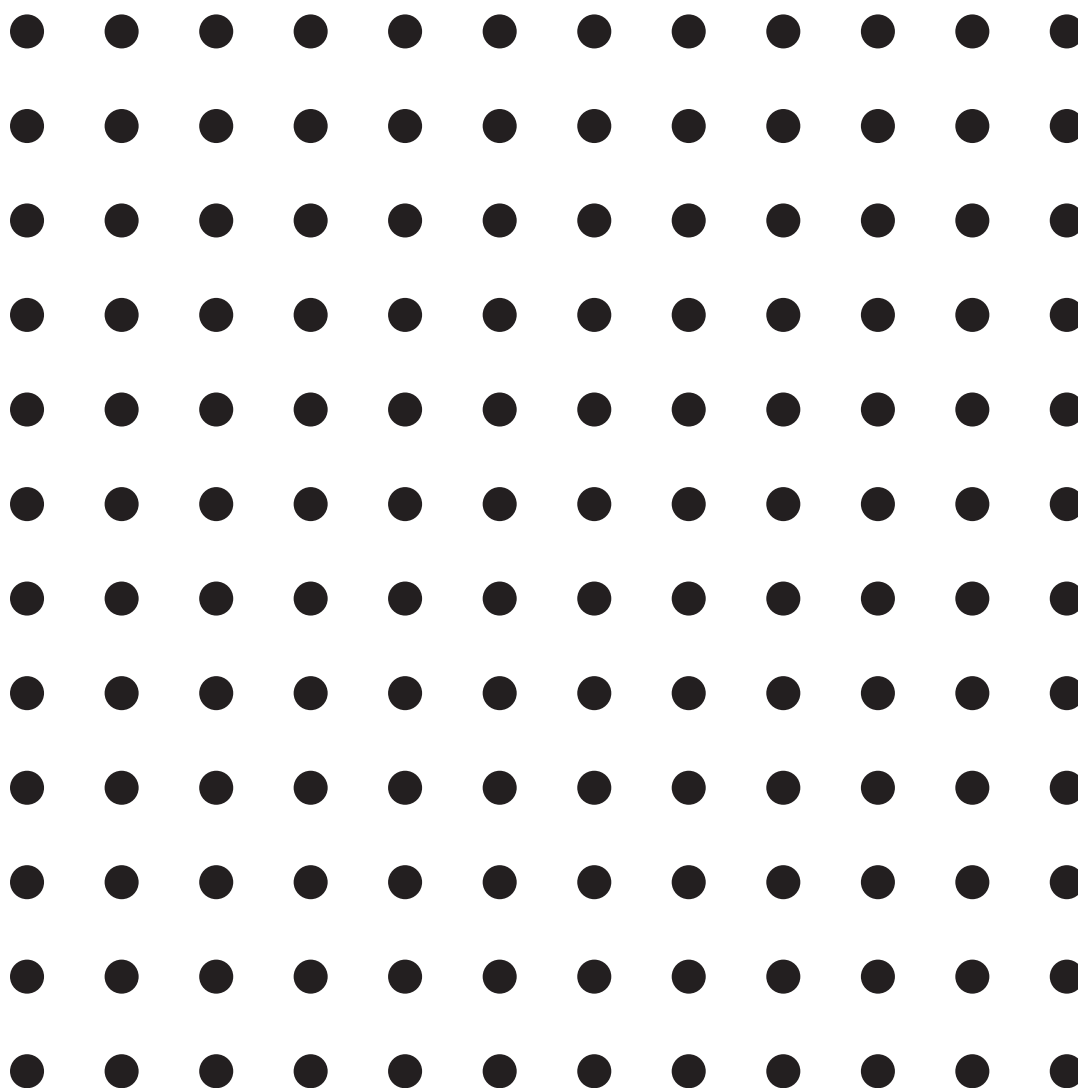
Install ceiling panels in ax.....mm size *roll-formed steel/aluminium** T Bar exposed grid system incorporating 38mm main tees, 33mm cross tees andtype wall angle. Suspend with 5mm galvanised suspension rod and spring suspension hangers all in accordance with manufacturer's published specifications.

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.

1.4

product type AL125S/45
open area 10.2%



Refer to Au•diLux Data Sheets for product options.

This pattern illustration is representative only of an Au•diLux panel and is not intended to indicate margins or surface finish. Specific data regarding these details is available on request.

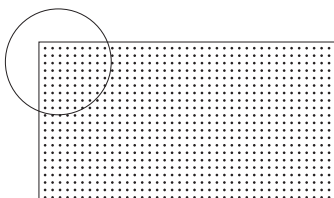
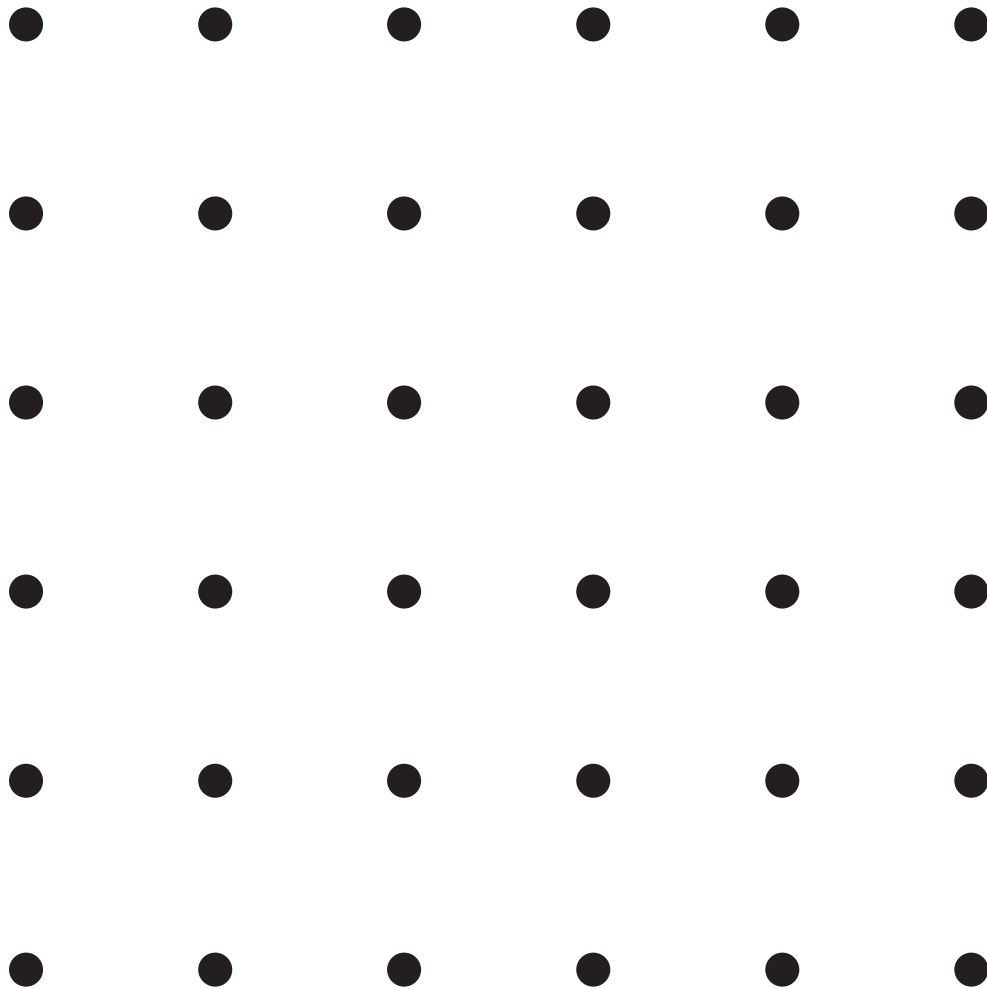
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full scale pattern illustration

1.5

product type AL250S/45
open area 2.5%



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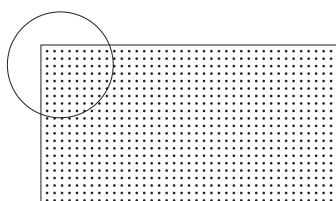
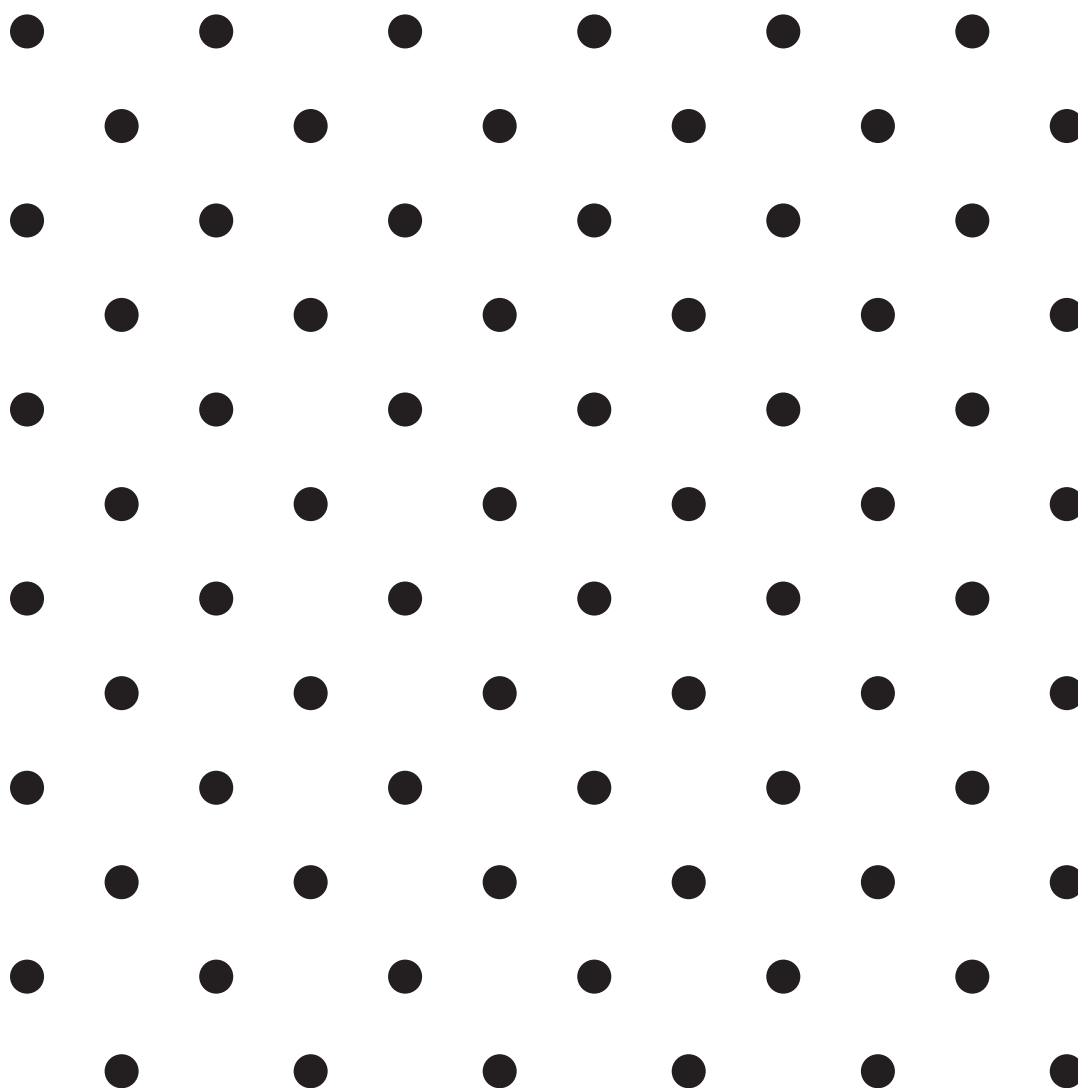
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full scale pattern illustration

1.6

product type AL250D/45
open area 5.1%



Refer to Au•diLux Data Sheets for product options.

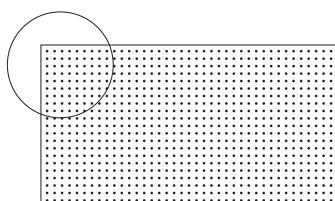
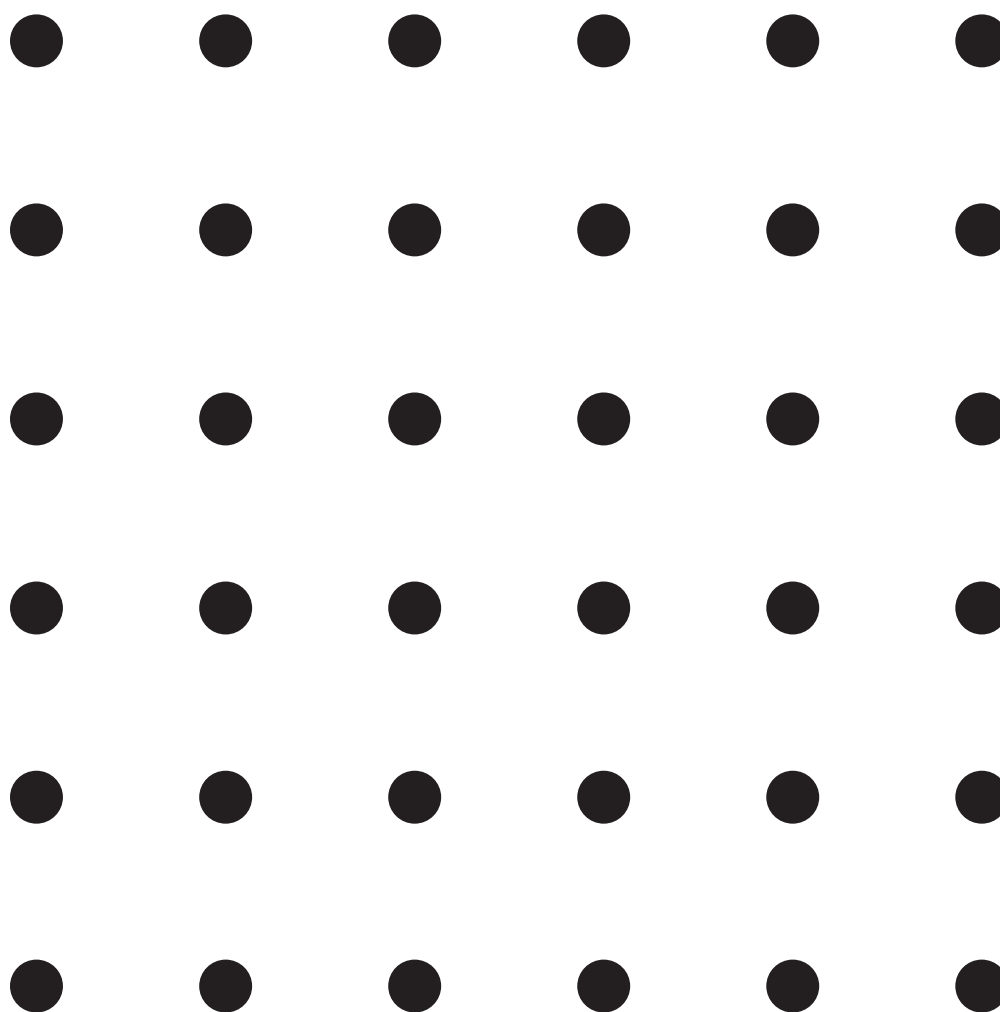
This pattern illustration is representative only of an Au•diLux panel and is not intended to indicate margins or surface finish. Specific data regarding these details is available on request.

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17

product type AL250S/70
open area 6.2%



Refer to Au•diLux Data Sheets for product options.

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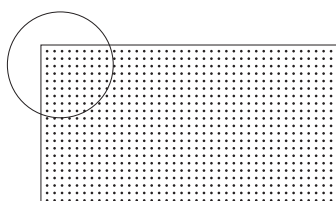
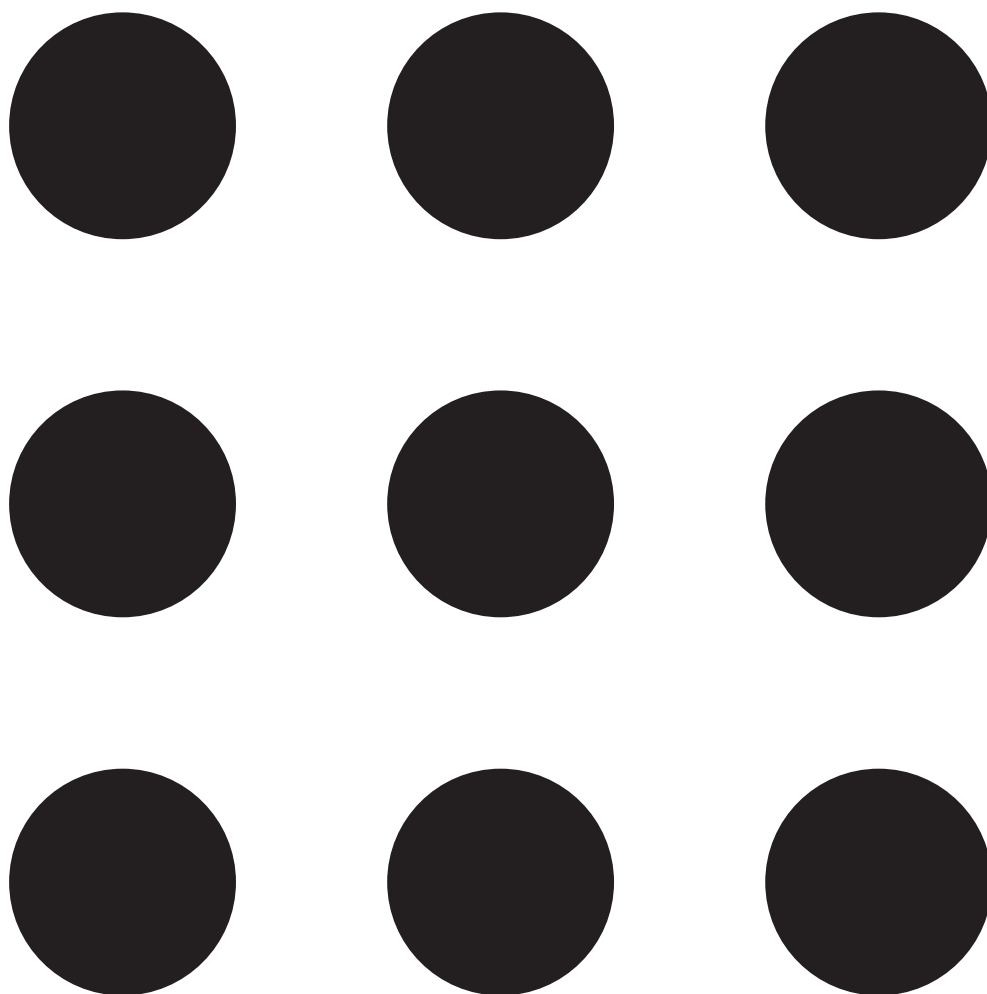
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full scale pattern illustration

1.8

product type AL500S/300
open area 28.3%



Refer to Au•diLux Data Sheets for product options.

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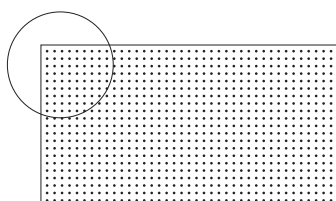
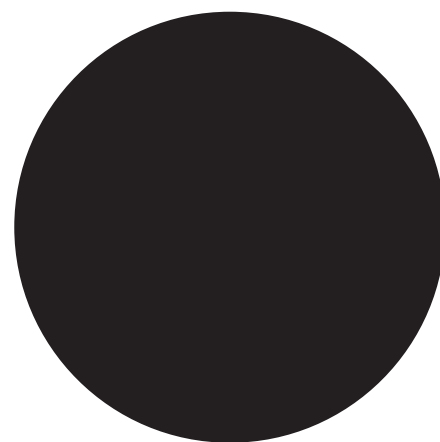
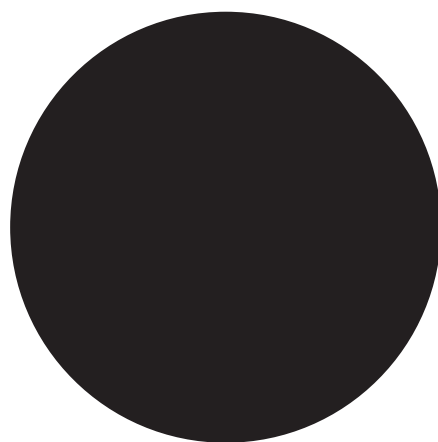
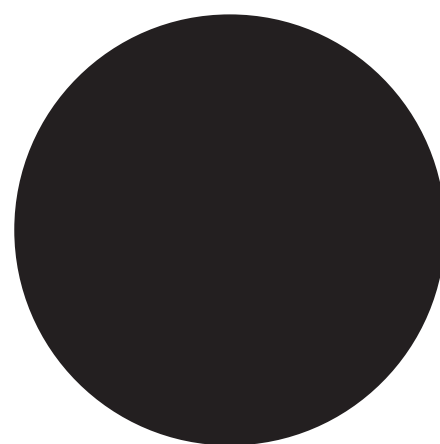
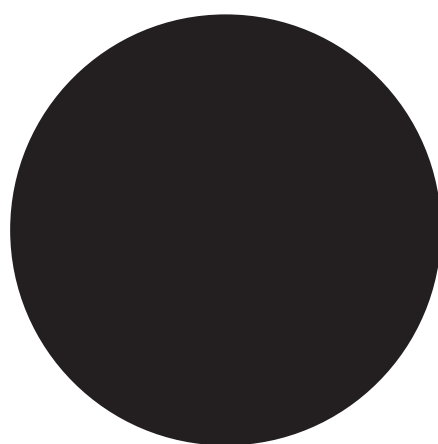
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full scale pattern illustration

19

product type AL1000S/570
open area 25.5%



Refer to Au•diLux Data Sheets for product options.

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