

Acoustic Systems

DESIGN GUIDE





HIGH ACOUSTIC PERFORMANCE
WITH 16 INSULATION COLOURS



EASY INSTALL
PROPRIETARY CONCEALED FIXING SYSTEMS



IMPACT RESISTANT
METAL SUBSTRATE



ECO FRIENDLY
100% RECYCLABLE

Features & Benefits



LAB-CERTIFIED
NOISE AND REVERB CONTROL



INTEGRATED LIGHTING AND SERVICES



GROUP 1 FIRE RESISTANCE
AND NON-COMBUSTIBILITY



10 YEAR
FULL 10 YEAR PERFORMANCE WARRANTY



TERMINAL 1, PERTH INTERNATIONAL AIRPORT
classicPerf™ Braille MID/6-14.5 installed with IC52700 Fixing

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Disclaimer

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High quality customisable acoustic linings for superior noise control.

Effective acoustic panelling doesn't have to look plain!

The Metrix Group® range of acoustic products provide a cost effective solution to controlling unwanted noise reverberation. Choose from over 100 standard designs or alternatively, patterns can be customised to your project needs. Certified acoustic performance guarantees acoustic attenuation. Prefinished panels with concealed fixing systems mean minimal site disruption and fast, simple installation.



Applications

- Reception Foyers
- Airports and Train Stations
- Churches Auditoriums and Chapels
- Sports Stadiums and Museums
- Schools and Multi-purpose Halls
- Community Centres and Libraries
- Lecture Theatres and Boardrooms
- Music Performance Areas
- Hospitals and Aged Care
- Offices and Atriums
- Shopping Centres
- Hotels and Restaurants

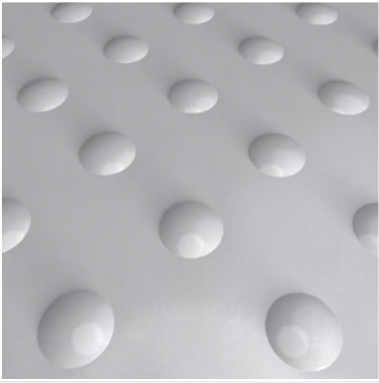


Aesthetics with audio properties

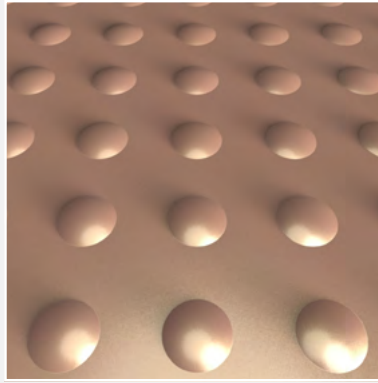
The artformAcoustic™ panels provide a stylish and functional alternative for sound control. The 3-dimensional surfaces reduce noise reverberation by diffusing sound waves. **See Page 19 for acoustic performance data.**

3D PERFORATIONS
TURN BLAND
INTO BOLD
WITH DYNAMIC
LIGHT PLAY

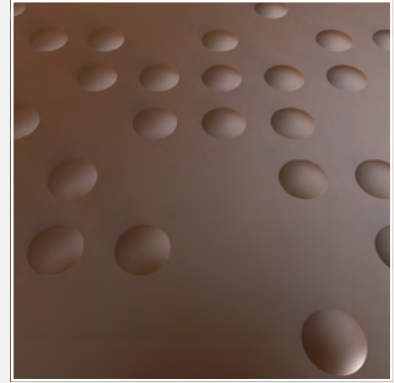
Designs



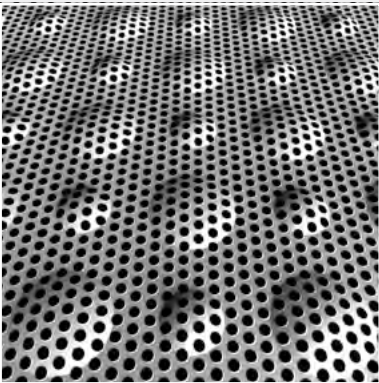
3D ROUND HOLE 45°
OA% N/A



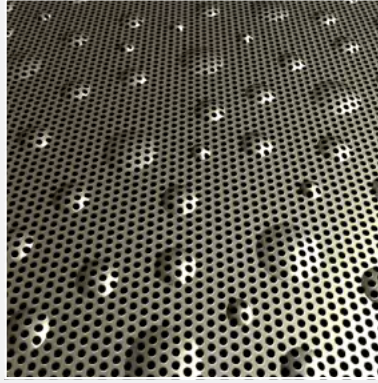
3D ROUND HOLE 90°
OA% N/A



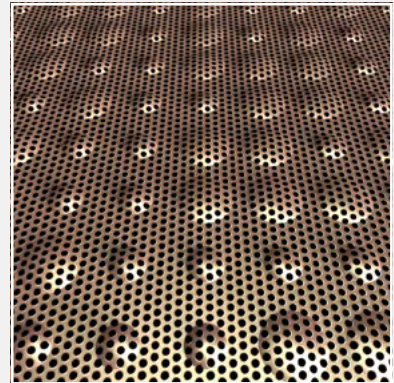
3D ROUND HOLE RANDOM
OA% N/A



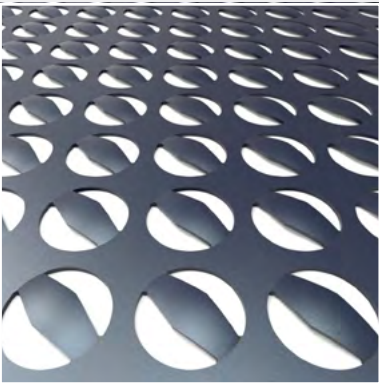
3D PERF TECHNO
OA% 50



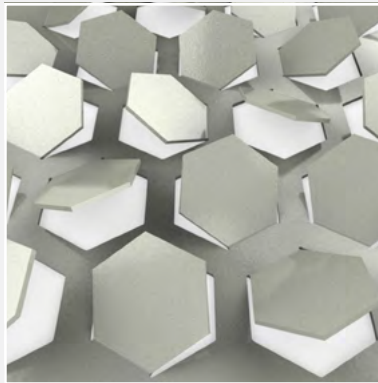
3D PERF ATOMIC
OA% 50



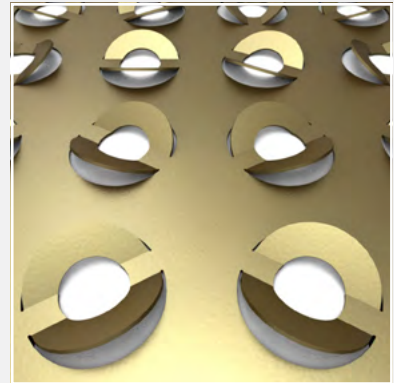
3D PERF BRAILLE
OA% 50



3D SKYLINE
OA% 33



3D HEXAGONS
OA% 50



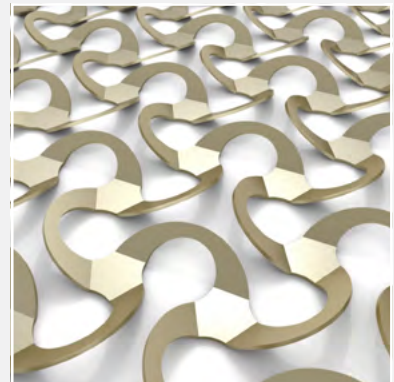
3D MALUS
OA% 34



3D CLOVER
OA% 63



3D ALPINE
OA% 49



3D ZENITH
OA% 56

Note: Designs not drawn to scale.

OA% = OPEN AREA PERCENTAGE



Acoustic creativity and freedom of expression

Combining design flexibility and acoustic performance, the Metrix Group® imageAcoustic™ panels provide freedom of expression allowing any image to be strikingly portrayed with exceptional clarity while controlling unwanted noise reverberation.

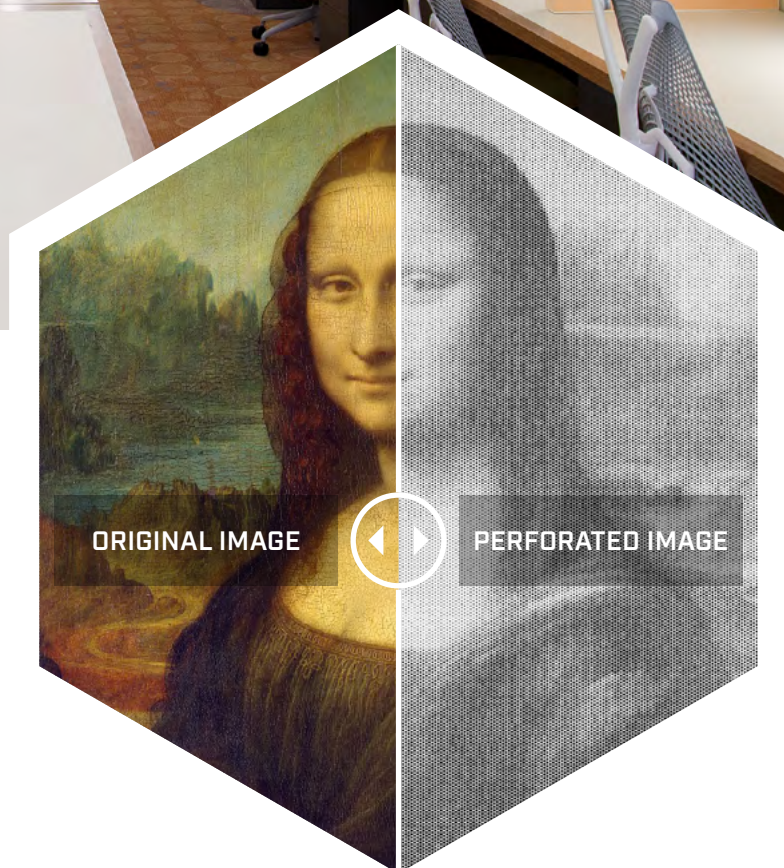
CONCEALED
FIXING
SYSTEMS &
CUSTOMISABLE
IMAGES



TRANSNATIONAL RESEARCH INSTITUTE, BRISBANE
classicPerf™ custom Meteor installed with ALSE2300 Fixing

Metrix Group® perforated pictures

can be abstract artwork, a logo, photograph and even a collage of images. Use it to add durable image-based facades to new and existing structures, while providing a sunscreen that reduces energy consumption. These products can be created in a range of different substrates and surface coating for interior and exterior applications.



WA MUSEUM BOOLA BARDIP, PERTH
galaxyAcoustic™ M72-95.5 installed with GAL1000 ceiling system



Contemporary and timeless

3D galaxyAcoustic™ panels provide a seamless ceiling expanse with effective integration of lighting and services.

INFINITY PATTERNS
ARE PERFECT
FOR LARGE
COMMERCIAL
CEILINGS

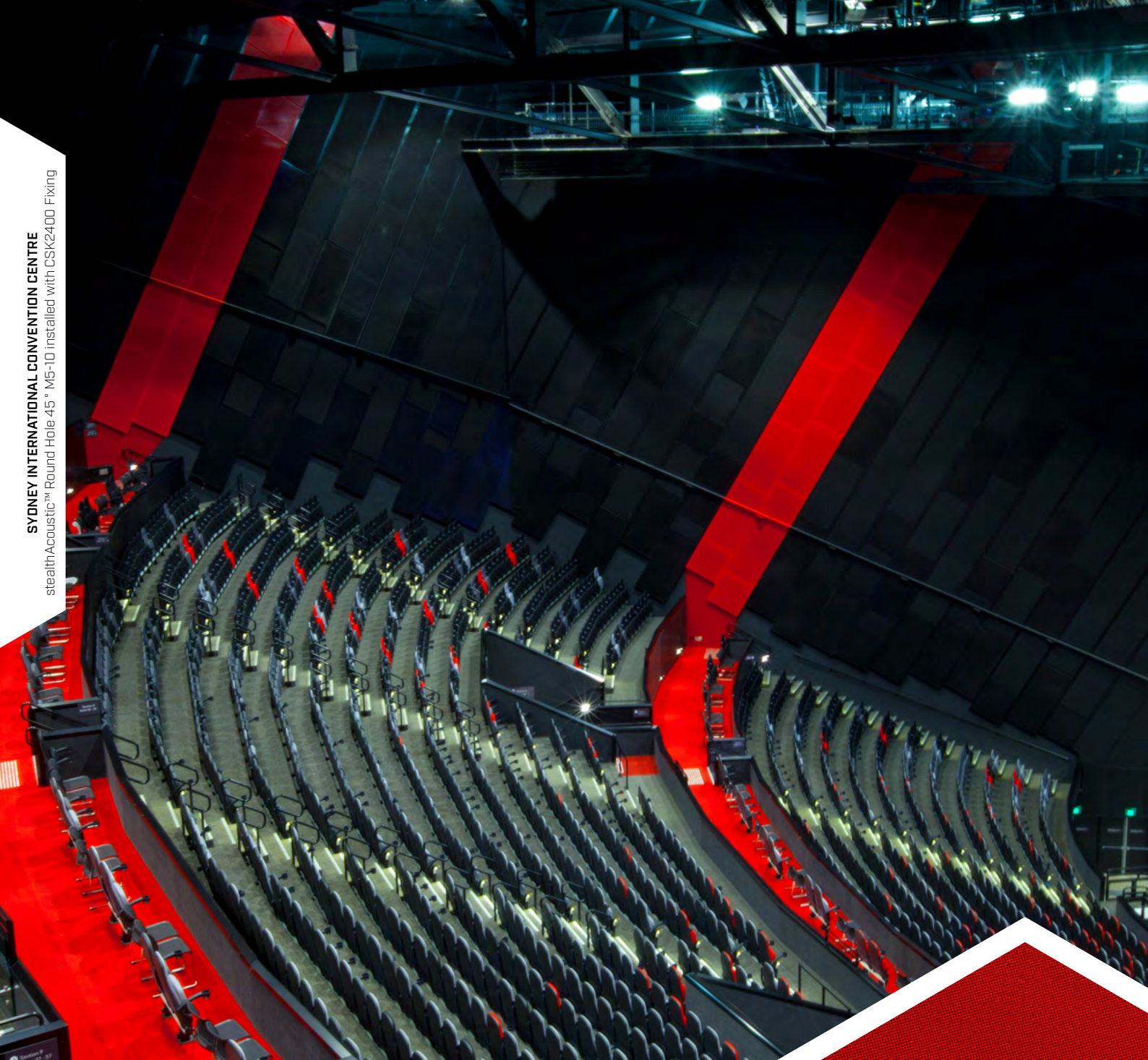


WATERGARDENS FOOD COURT, MELBOURNE
classicPerf™ round-hole 90 custom installation

A complete, custom design service

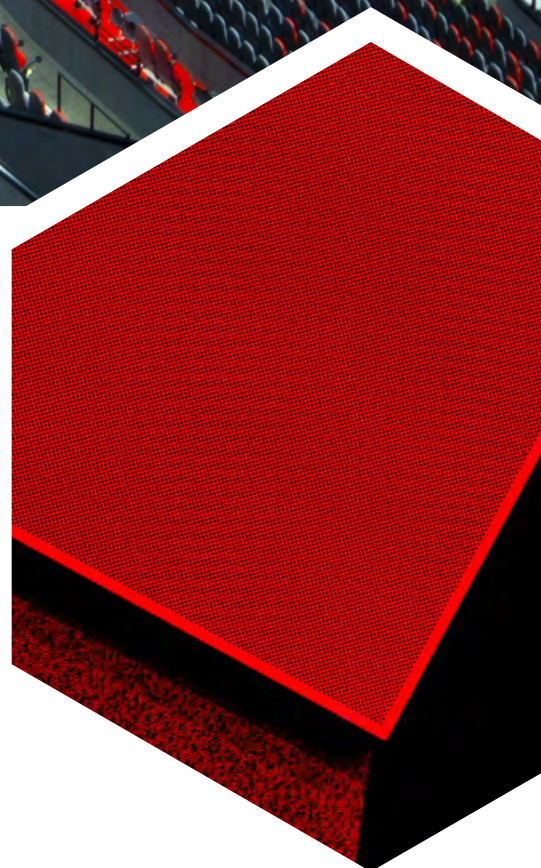
We can also help you assess the durability, acoustic performance, and manufacturing practicality of any design. We can ensure it meets your aesthetic, performance requirements and of course, your budget!



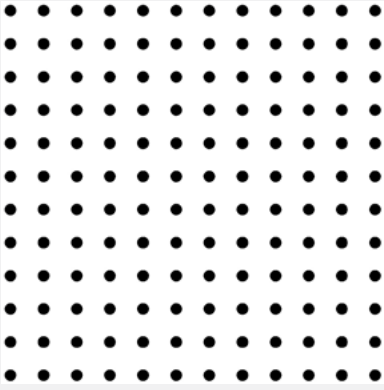


Quiet classics

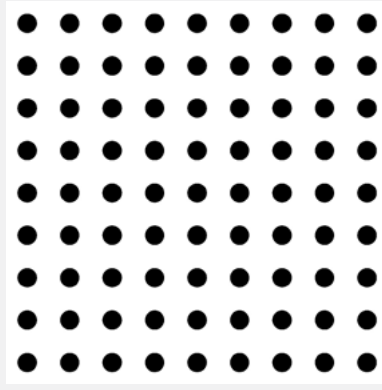
A selection of timeless round hole patterns that have been used for acoustic attenuation across a wide range of applications.



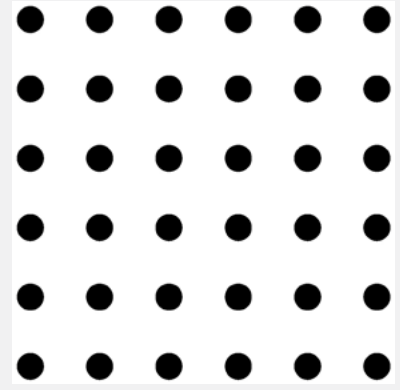
Designs



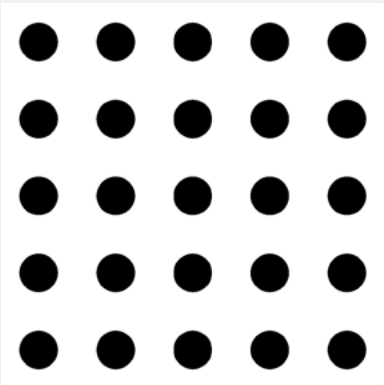
ROUND HOLE 90° M1.5-4.3
OA% 10



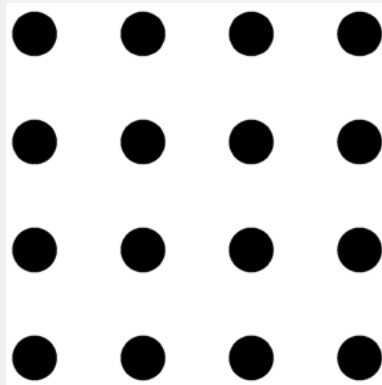
ROUND HOLE 90° M2.5-5.5
OA% 16



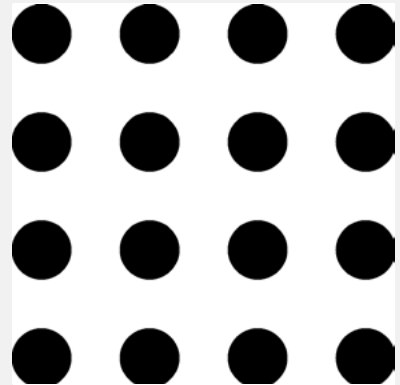
ROUND HOLE 90° M3-5.9
OA% 12



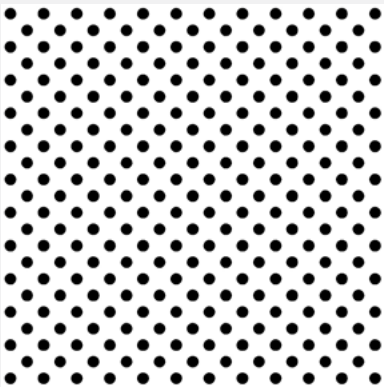
ROUND HOLE 90° M5-10
OA% 20



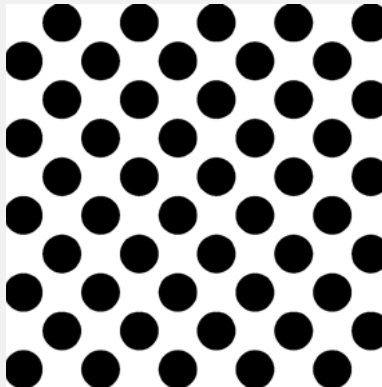
ROUND HOLE 90° M6-14.5
OA% 14



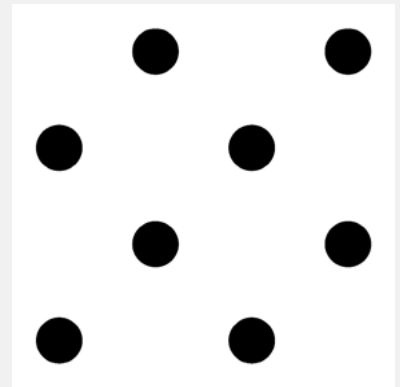
ROUND HOLE 90° M8-14.5
OA% 24



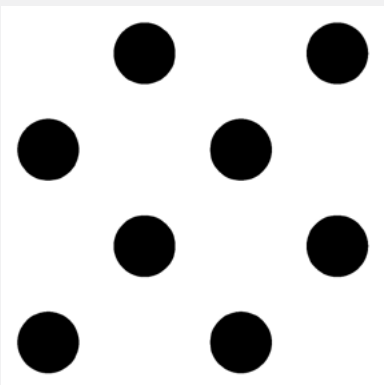
ROUND HOLE 45° M1.5-4.3
OA% 19



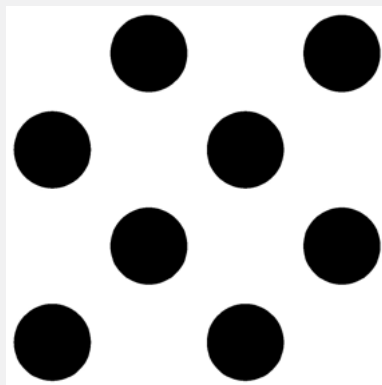
ROUND HOLE 45° M5-10
OA% 39



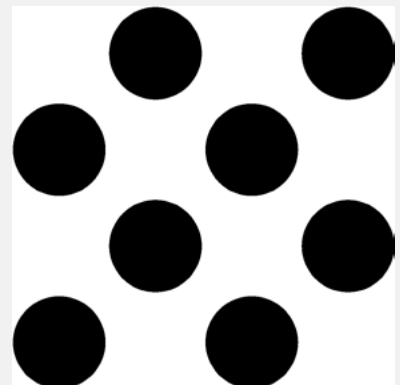
ROUND HOLE 45° M6-25
OA% 9



ROUND HOLE 45° M8-25
OA% 16



ROUND HOLE 45° M10-25
OA% 25



ROUND HOLE 45° M12-25
OA% 36

Note: Designs not drawn to scale.

OA% = OPEN AREA PERCENTAGE

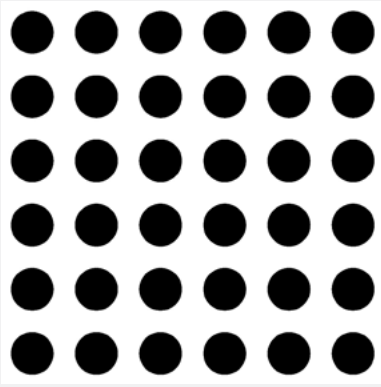


Acoustic performance and colour creativity.

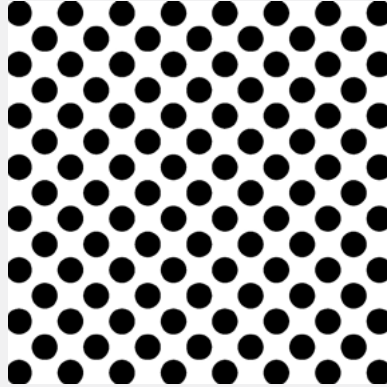
High sound absorption, combined with a range of hues and tones to provide freedom of expression whether that be bold expression, or gentle colours of nature. High open area designs allow for contrasting acoustic insulation colours.



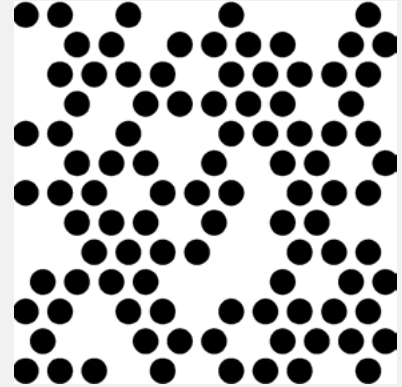
Designs



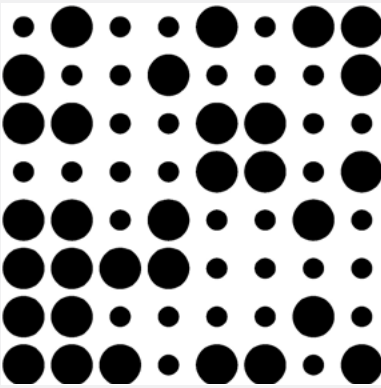
ROUND HOLE 90° M50-75
OA% 35



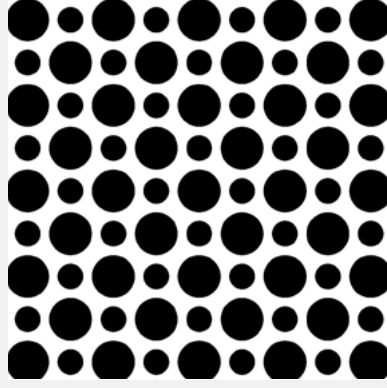
ROUND HOLE 45° M30-60
OA% 39



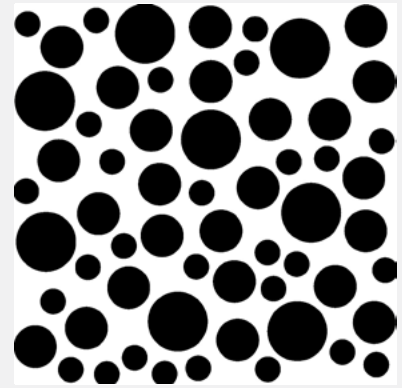
ROUND HOLE RANDOM M30-40
OA% 35



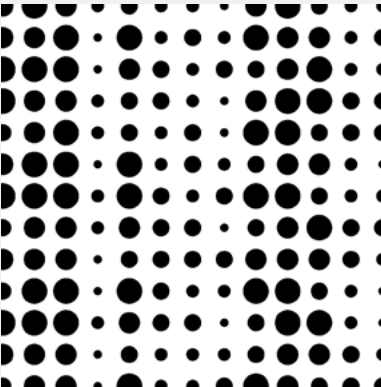
BRAILLE M50/35-58
OA% 31



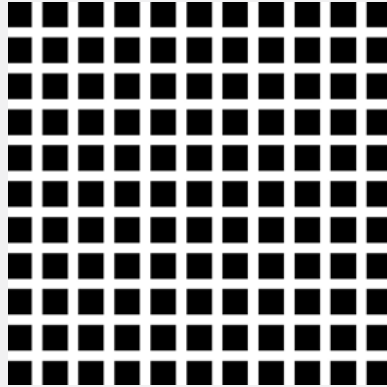
TECHNO M50/30-50
OA% 53



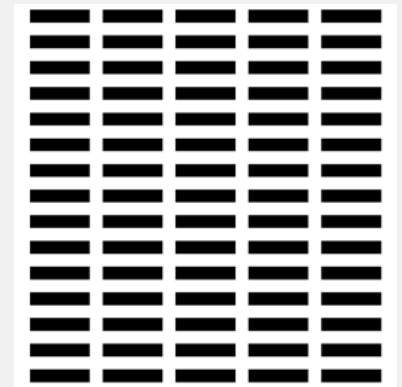
ATOMIC M70/50/30
OA% 46



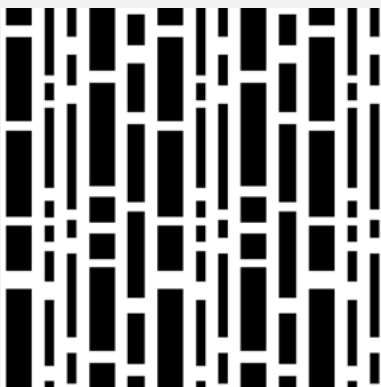
METEOR M30/25/20/15/10-37
OA% 25



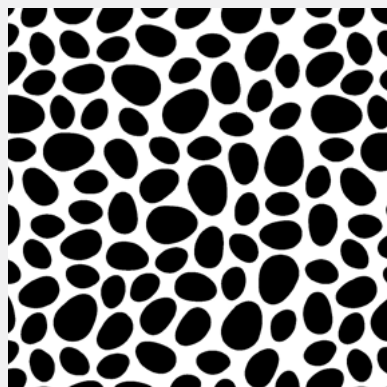
SQUARE HOLE STRAIGHT M30-42
OA% 51



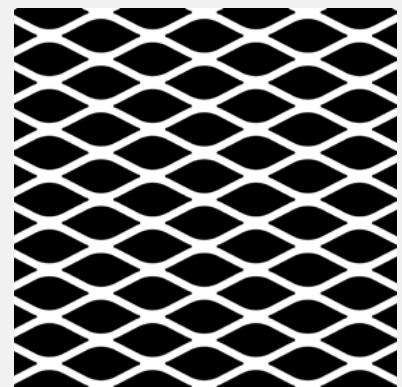
RECTANGLE STRAIGHT M70x15-30
OA% 41



BRICK LANE
OA% 50



RIVERSTONE
OA% 57



DUNES M40x17-11.5
OA% 66

Note: Designs not drawn to scale.

OA% = OPEN AREA PERCENTAGE



ICE



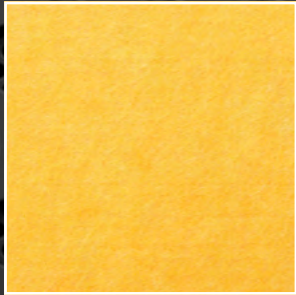
PORCELAIN



LATTE



ALMOND



POLLEN



CITRUS



CRIMSON



WASABI



OXFORD



TURQUOISE



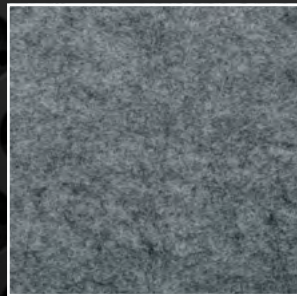
ATMOSPHERE



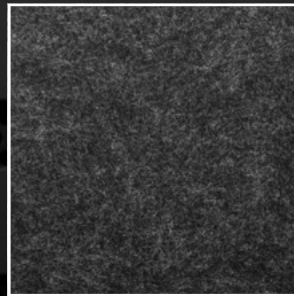
DOVE



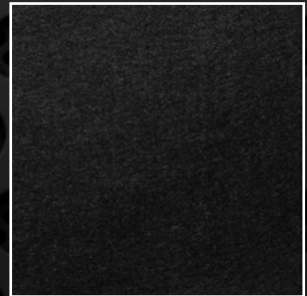
GRANITE



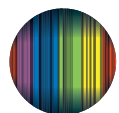
SLATE



GUNMETAL



MIDNIGHT



spectruminsulation™

Sound control in colour.

A carefully selected range of mellow shades and deep hues provide freedom of expression with outstanding acoustic performance.

SCAN HERE
TO LEARN MORE ABOUT
OUR ACOUSTIC PRODUCTS



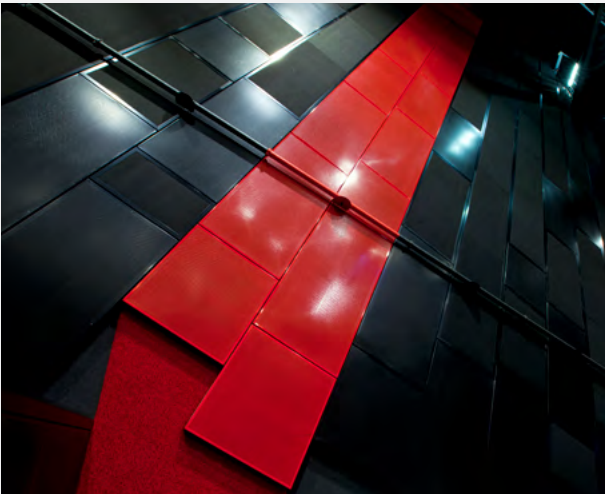
Installation



The **SCEG25 suspended ceiling system** **PAGE 6**
has options for multiple tiles sizes and edge details.



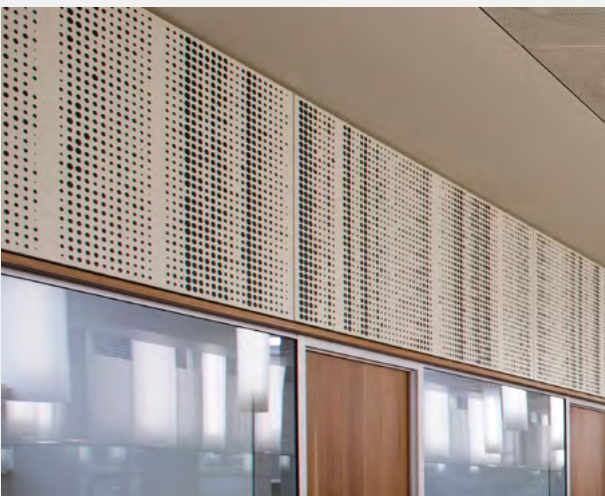
The **GAL1000 ceiling installation system** **PAGE 10**
has seamless panel joins.



The **CSK2400 installation system** can be used **PAGE 12**
on **walls** and **ceilings** with flexibility in panel size and shape.



The **ICS2700** is a **wall concealed installation system** **PAGE 2**
that is quick and easy to install.

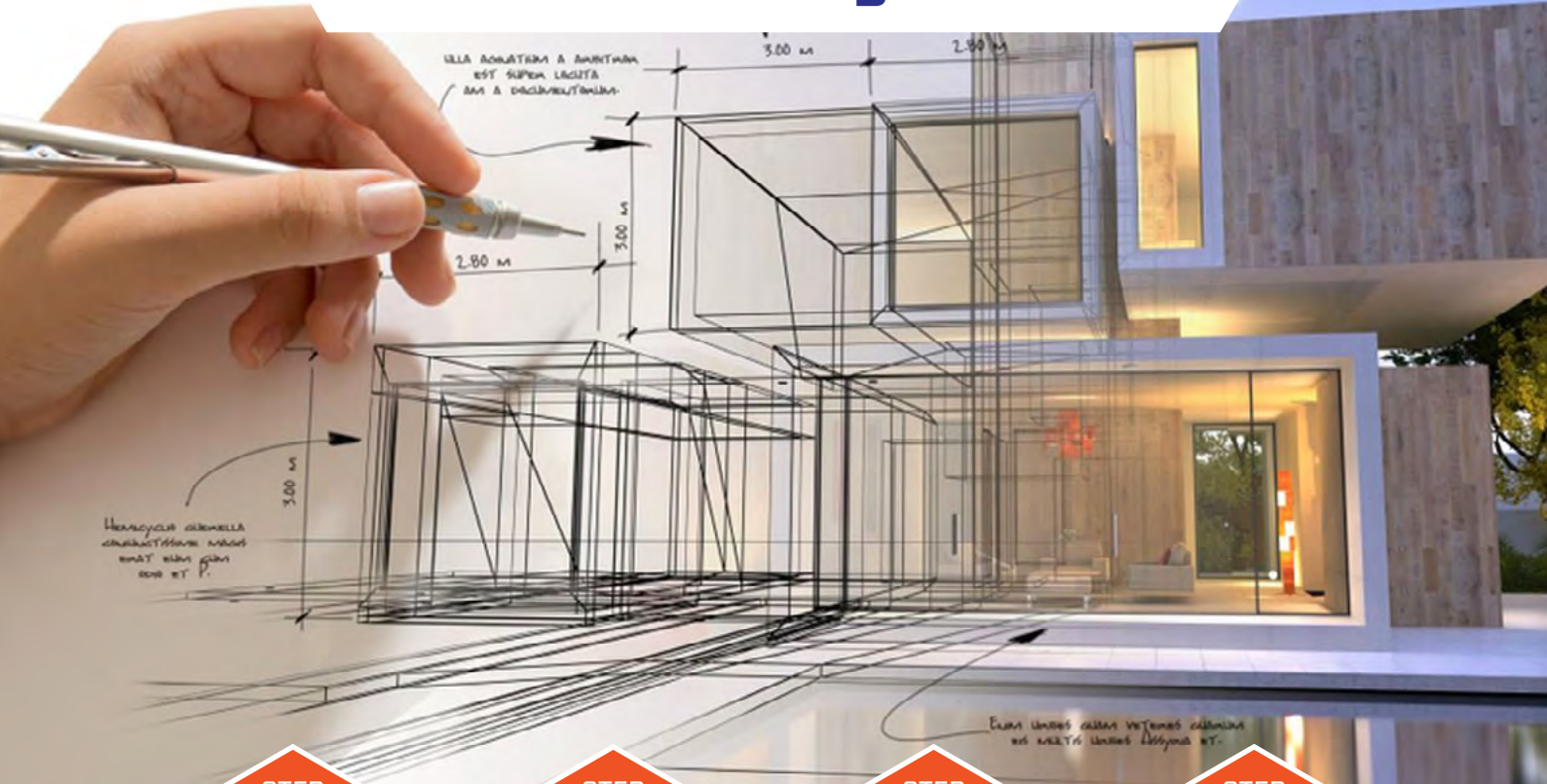


The **ALSB2300** is a **concealed wall installation system** **PAGE 9**
that is quick and easy to install.



Custom Installation methods **PAGE 11**
for unique **wall** and **ceiling** applications.

In House Design Studio



STEP
1

Select product type:

artformAcoustic™
imageAcoustic™
galaxyAcoustic™
stealthAcoustic™
custom Acoustic

STEP
2

Select pattern and acoustic performance:

Choose from
36 standard patterns.
Alternatively, our design
team can create
a custom design.

STEP
3

Colour selection:

Choose from
the standard powder
coat palate and
16 different
insulation colours.

STEP
4

Select installation system:

SCEG25
GAL1000
CSK2400
ICS2700
ALSB2300
Custom

Specification

Metrix (**Product and pattern**) on (**thickness and substrate**) with (**colour**) powder coat finish and (**thickness & colour**) Spectrum Acoustic Insulation complete with Metrix Group (**system type**) fixing system. Acoustic tested to AS ISO 354-2006 & AS ISO 11654-2002. Fire resistance and non-combustibility to AS/NZS 1530.1:1994. Products installed as per manufacturer's instructions.

Supplied by

Metrix Group

P: 1300 792 493

E: sales@metrixgroup.com.au

Example specification

Metrix **Stealth Acoustic Round Hole 90° M50-75** on **1.6 mild steel** with **White Satin** powder coat finish and **12mm Citrus** Spectrum Acoustic Insulation complete with Metrix Group **CSK2400** fixing system. Acoustic tested to AS ISO 354-2006 & AS ISO 11654-2002. Fire resistance and non-combustibility to AS/NZS 1530.1:1994. Products installed as per manufacturer's instructions.

Supplied by

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Acoustic Performance

3D artformAcoustic™

Pattern code	Open area %	Insulation	NRC rating
3D Perf Techno	50%	50mm	0.95*
3D Perf Atomic	50%	50mm	0.95
3D Perf Braille	50%	50mm	0.95*
3D Skyline	33%	50mm	0.90
3D Hexagons	50%	50mm	0.85
3D Malus	34%	50mm	0.85
3D Clover	63%	50mm	0.90*
3D Alpine	49%	50mm	0.90*
3D Zenith	56%	50mm	0.95

stealthAcoustic™

Pattern code	Hole size	Open area %	Insulation	NRC rating
Round Hole 90° M50-75	50mm	35%	50mm	0.85*
Round Hole 45° M30-60	30mm	39%	50mm	0.90*
Round Hole Random M30-40	30mm	35%	50mm	0.85*
Braille M50/35-58	50/25mm	31%	50mm	0.85
Techno M50/30-50	50/30mm	53%	50mm	0.95
Atomic M70/50/30	70/50/30mm	46%	50mm	0.90
Meteor M30/25/20/15/10-37	30/25/20/15/10mm	25%	50mm	0.80*
Square Hole Straight M30-42	30mm	51%	50mm	0.95*
Rectangle Straight M70x15-30	70X15mm	41%	50mm	0.90
Brick Lane		50%	50mm	0.95*
Riverstone		57%	50mm	0.95*
Dunes M40x17-11.5	40X17mm	66%	50mm	0.95

stealthAcoustic™

Pattern code	Hole size	Open area %	Insulation	NRC rating
Round Hole 90° M1.5-4.3	1.5mm	10%	50mm	0.45
Round Hole 90° M2.5-5.5	2.5mm	16%	50mm	0.60
Round Hole 90° M3.5-9	3.5mm	12%	50mm	0.45
Round Hole 90° M5-10	5mm	20%	50mm	0.55
Round Hole 90° M6-14.5	6mm	14%	50mm	0.45
Round Hole 90° M8-14.5	8mm	24%	50mm	0.60*
Round Hole 45° M1.5-4.3	1.5mm	19%	50mm	0.65
Round Hole 45° M5-10	5mm	39%	50mm	0.80
Round Hole 45° M6-25	6mm	9%	50mm	0.45*
Round Hole 45° M8-25	8mm	16%	50mm	0.50
Round Hole 45° M10-25	10mm	25%	50mm	0.60
Round Hole 45° M12-25	12mm	36%	50mm	0.70

* Calculated using empirical data.

Acoustic testing performed by CSIRO to Australian Standards AS ISO 354-2006 & AS ISO 11654-2002



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