

ARCADIA MUSE[®]

PERFORATED METAL

 **ARCADIA[®]**
Ventilation and Sunscreen Specialists



MUSE®
PERFORATED METAL
CUSTOM SUN SHADING

ARCADIA®

Arcadia® is one of Australia's leading manufacturers and suppliers of natural ventilation, louvre and sun shading systems. Arcadia® products control the natural elements of the sun, wind and light to create energy effective and comfortable conditions in industrial and commercial buildings.

The successful integration of Arcadia® products by architects and designers is supported by the experienced management and engineering team at Arcadia.

If you would like to find out more about the range of products at Arcadia, please visit www.grouparcadia.com.au

Arcadia® maintains an ongoing research and testing program in the quest for product improvement and in consequence the information provided in this brochure may be subject to change without notice.

MUSE® PERFORATED METAL

OVERVIEW

Muse® Perforated Metal is just one of many products categorised within Arcadia's Muse® Custom Sun Shading Range. Muse® Perforated Metal has the capacity to shield sunlight whilst allowing air to flow through the perforations. By effectively shielding sunlight and reducing the solar radiated heat, greater comfort and productivity is delivered to the occupants.

Unlike many suppliers of perforated metal, Arcadia is a sunscreen and natural ventilation specialist which ensures your project will directly benefit from the wealth of knowledge, experience and competency offered by Arcadia. The Arcadia technical team is available to assist your project with natural ventilation theory and the integration of Muse® perforated Metal Panels within your building your project. With significant design, engineering, drafting, manufacturing, project management, and installation services available your project's solar control solution is in safe hands with Arcadia.

IN THIS BROCHURE YOU WILL FIND

- Application
- Function & benefits
- Muse® Standard Profiles
- Project Images
- Muse® Perforated Metal specification

We are available to answer your questions. Call our experts who will talk through your design requirements and will be more than happy to assist you.

MUSE® Perforated Metal has the capacity to shield sunlight whilst allowing air to flow.

VERSATILE DESIGN SOLUTIONS

MUSE® DESIGN

Arcadia has established a comprehensive range of profiles to ensure a suitable perforated metal panel is available to satisfy your project's specific requirements. The patterns available within the Muse® Perforated Metal Profiles are: Round Straight, Round Staggered, Square Straight, Square Staggered, Slots Straight, Slots Staggered and Hexagon Staggered. Upon request Arcadia can offer custom perforated panels and custom fixing systems synchronised to your building façade.

Muse® Perforated Metal Panels can be fabricated and supplied using the following base materials: Galvanised Steel, Stainless Steel and Aluminium in a range of finishes from the Powdercoat and Anodised colour range.

Muse® Perforated Metal Panels are compatible with most building façade designs connecting with secondary steel structural members.



MUSE® PERFORATED METAL PANELS



Muse® Perforated Metal Panels are suited to a large spectrum of project sectors

FUNCTION

Arcadia Muse® Perforated Metal can be utilised for privacy screening and at the same time providing solar shading. Robust base material creates a protective shield from airborne matter during adverse weather conditions. In addition to all the practical advantages of the Muse® Perforated Metal Panelling, the panels create strong aesthetic possibilities using colour and texture to create a design feature that is easily integrated into a building façade. Natural lighting and airflow permeates through the panel, of which both factors are considered beneficial. The Muse® Perforated Metal Panelling delivers a security, privacy screening, solar shading, natural ventilation, and weather shielding solution which collectively will reduce the carbon footprint of the building.

BENEFITS

- Wide range of perforated profiles available
- Base materials: Galvanised Steel, Stainless Steel and Aluminium
- Colour: Anodised and Powdercoat range
- Custom Muse® Imageperf
- Arcadia is a leading solar shading sunscreen specialist
- Measured natural ventilation and sunlight control
- Custom Muse® Laser cut panels
- Design and engineering project support
- Secure privacy screening
- Strong aesthetics using colour and texture
- Reduces the buildings carbon footprint

MUSE® STANDARD PROFILES

	CODE	ROA – 0614
	PATTERN	Round Aligned
	HOLE SIZE	6.0mm
	PITCH	14.5mm
	OPEN AREA	14%

	CODE	ROS – 4763
	PATTERN	Round Staggered
	HOLE SIZE	4.76mm
	PITCH	6.35mm
	OPEN AREA	56%

	CODE	ROS – 0825
	PATTERN	Round Staggered
	HOLE SIZE	8.0mm
	PITCH	25mm
	OPEN AREA	16%

	CODE	ROA – 0814
	PATTERN	Round Aligned
	HOLE SIZE	10mm
	PITCH	25mm
	OPEN AREA	25%

	CODE	ROS – 4779
	PATTERN	Round Staggered
	HOLE SIZE	4.76mm
	PITCH	7.92mm
	OPEN AREA	33%

	CODE	ROS – 9512
	PATTERN	Round Staggered
	HOLE SIZE	9.53mm
	PITCH	12.7mm
	OPEN AREA	51%

	CODE	ROA – 1014
	PATTERN	Round Aligned
	HOLE SIZE	10.0mm
	PITCH	14.5mm
	OPEN AREA	38%

	CODE	ROS – 0625
	PATTERN	Round Staggered
	HOLE SIZE	6.0mm
	PITCH	25mm
	OPEN AREA	9%

	CODE	ROS – 9514
	PATTERN	Round Staggered
	HOLE SIZE	9.53mm
	PITCH	14.27mm
	OPEN AREA	40%

	CODE	ROS – 2436
	PATTERN	Round Staggered
	HOLE SIZE	2.41mm
	PITCH	3.66mm
	OPEN AREA	40%

	CODE	ROS – 6312
	PATTERN	Round Staggered
	HOLE SIZE	6.35mm
	PITCH	12.7mm
	OPEN AREA	23%

	CODE	ROS – 9516
	PATTERN	Round Staggered
	HOLE SIZE	9.53mm
	PITCH	16mm
	OPEN AREA	32%

	CODE	ROS – 3255
	PATTERN	Round Staggered
	HOLE SIZE	3.2mm
	PITCH	5.59mm
	OPEN AREA	30%

	CODE	ROS – 6385
	PATTERN	Round Staggered
	HOLE SIZE	6.35mm
	PITCH	8.5mm
	OPEN AREA	60%

	CODE	ROS – 1025
	PATTERN	Round Staggered
	HOLE SIZE	10mm
	PITCH	25mm
	OPEN AREA	25%

	CODE	ROS – 3261
	PATTERN	Round Staggered
	HOLE SIZE	3.2mm
	PITCH	6.1mm
	OPEN AREA	25%

	CODE	ROS – 6395
	PATTERN	Round Staggered
	HOLE SIZE	6.35mm
	PITCH	9.55mm
	OPEN AREA	40%

	CODE	ROS – 1225
	PATTERN	Round Staggered
	HOLE SIZE	12mm
	PITCH	25mm
	OPEN AREA	36%

	CODE	ROS – 3955
	PATTERN	Round Staggered
	HOLE SIZE	3.97mm
	PITCH	5.59mm
	OPEN AREA	46%

	CODE	ROS – 7995
	PATTERN	Round Staggered
	HOLE SIZE	7.94mm
	PITCH	9.55mm
	OPEN AREA	62%

	CODE	ROS – 1217
	PATTERN	Round Staggered
	HOLE SIZE	12.7mm
	PITCH	17.27mm
	OPEN AREA	52%

MUSE® STANDARD PROFILES

	CODE	ROS – 1925
	PATTERN	Round Staggered
	HOLE SIZE	19.05 mm
	PITCH	25.40 mm
	OPEN AREA	55%

	CODE	SQA – 1014
	PATTERN	Square Aligned
	HOLE SIZE	10 mm ²
	PITCH	14 mm
	OPEN AREA	49%

	CODE	SLS – 2558
	PATTERN	Slot Staggered
	HOLE SIZE	25 mm x 5 mm
	PITCH	8 mm
	OPEN AREA	55%

	CODE	ROS – 1930
	PATTERN	Round Staggered
	HOLE SIZE	19.05 mm
	PITCH	30 mm
	OPEN AREA	38%

	CODE	SQS – 6010
	PATTERN	Square Staggered
	HOLE SIZE	6.00 mm ²
	PITCH	10.00 mm
	OPEN AREA	36%

	CODE	SLA – 1936
	PATTERN	Slot Aligned
	HOLE SIZE	19 mm x 3 mm
	PITCH	6 mm
	OPEN AREA	44%

	CODE	ROS – 2530
	PATTERN	Round Staggered
	HOLE SIZE	25.4 mm
	PITCH	30 mm
	OPEN AREA	63%

	CODE	SQS – 1014
	PATTERN	Square Staggered
	HOLE SIZE	10.00 mm ²
	PITCH	14.00 mm
	OPEN AREA	50%

	CODE	SLA – 2563
	PATTERN	Slot Aligned
	HOLE SIZE	25.4 mm x 6.3 mm
	PITCH	4.76 mm
	OPEN AREA	43%

	CODE	SQA – 4769
	PATTERN	Square Aligned
	HOLE SIZE	4.76 mm ²
	PITCH	6.99 mm
	OPEN AREA	47%

	CODE	SLS – 1936
	PATTERN	Slot Staggered
	HOLE SIZE	19 mm x 3 mm
	PITCH	6 mm
	OPEN AREA	43%

	CODE	SLA – 2551
	PATTERN	Slot Aligned
	HOLE SIZE	25 mm x 5 mm
	PITCH	10 mm
	OPEN AREA	41%

	CODE	SQA – 6376
	PATTERN	Square Aligned
	HOLE SIZE	6.35 mm ²
	PITCH	7.62 mm
	OPEN AREA	74%

	CODE	SLS – 1935
	PATTERN	Slot Staggered
	HOLE SIZE	19 mm x 3 mm
	PITCH	5 mm
	OPEN AREA	52%

	CODE	HXS – 9511
	PATTERN	Hexagon Staggered
	HOLE SIZE	9.5 mm <small>*Across Face</small>
	PITCH	11.9 mm
	OPEN AREA	64%

	CODE	SQA – 7911
	PATTERN	Square Aligned
	HOLE SIZE	7.94 mm ²
	PITCH	11.43 mm
	OPEN AREA	48%

	CODE	SLS – 2551
	PATTERN	Slot Staggered
	HOLE SIZE	25 mm x 5 mm
	PITCH	10 mm
	OPEN AREA	39%

	CODE	HXS – 2332
	PATTERN	Hexagon Staggered
	HOLE SIZE	23.81 mm <small>*Across Face</small>
	PITCH	32 mm
	OPEN AREA	44%

	CODE	SQA – 1012
	PATTERN	Square Aligned
	HOLE SIZE	10 mm ²
	PITCH	12 mm
	OPEN AREA	70%

	CODE	SLS – 2530
	PATTERN	Slot Staggered
	HOLE SIZE	25.4 mm x 6.3 mm
	PITCH	30 mm x 11 mm
	OPEN AREA	38%

	CODE	CUSTOM
	PATTERN	
	HOLE SIZE	
	PITCH	
	OPEN AREA	

MUSE® CUSTOM SOLUTIONS

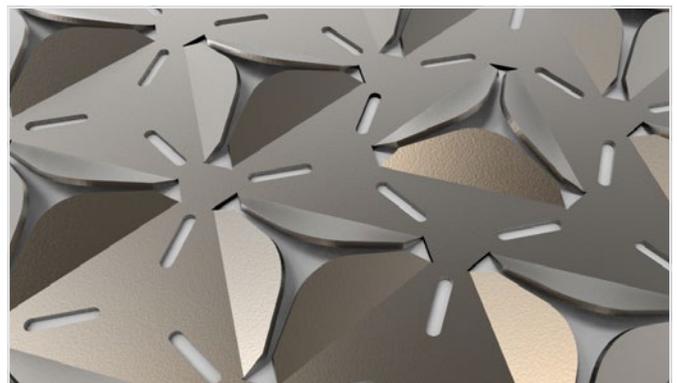
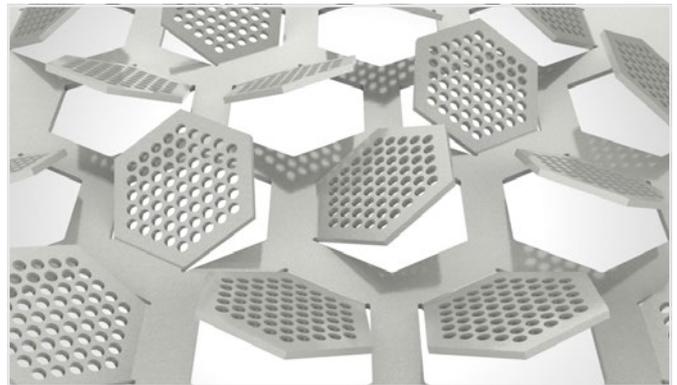


Above: Arcadia Muse® Custom Laser cut Perforated Screens

MUSE® CUSTOM SOLUTIONS

As part of our holistic approach to solar shading, Arcadia is able to offer a complete design-to-implementation service for custom solutions. These solutions are able to be created using custom repeating patterns, picture perforations and 3D metal forming techniques.

The range of possibilities with Arcadia Muse® Custom Perforated screens is virtually infinite. If you have a particular design intent you are aiming for, we have a team dedicated to assisting in creating your ideal solution.



Above: Arcadia Muse® Custom 3D Perforated Screens

MUSE® CUSTOM SOLUTIONS



Above: Arcadia Muse® Custom Picture Perforated Screens



Above: Arcadia Muse® Custom Pattern Perforated Screens

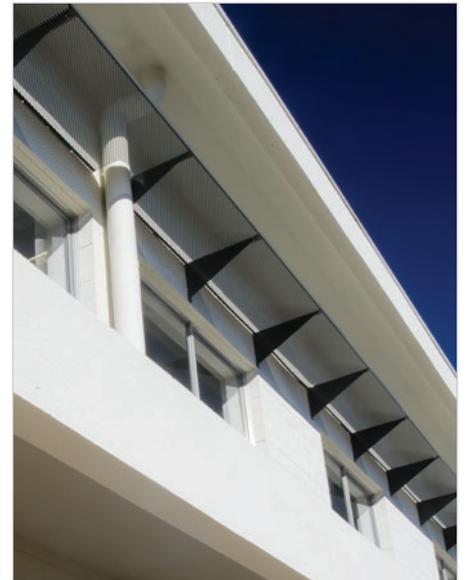
MUSE® PROJECTS



PROJECT SECTORS

Project sectors which have successfully incorporated Muse® Perforated Metal panels include: office towers, car parks, stadiums, sporting facilities, internal screening residential, high-rise apartments, urban walkways, airports, mechanical servicing, industrial plants and mining processing facilities.

MUSE® SYNCHRONISED DESIGN



MUSE® | PERFORATED METAL SPECIFICATION

PERFORATED PANEL

Perforated Panels shall be Arcadia MUSE® (Select from **A** below) using (Select from **B** below) profile. Fabrication using (select from **C** below) base material and finished using (select from **D** below).

PANEL

The MUSE® Perforated Metal Panel is to incorporate standard fixings and/or bolts as standard with Arcadia.

INSTALLATION AND MOUNTING

Installation and mounting details will be designed to satisfy wind actions for Region (select from **E** below) and Terrain Category (select from **F** below) in accordance with AS 1170.2 structural design actions to suit Arcadia proprietary systems and manufactures recommendations.

A. PATTERN

- Muse® Standard perforation
- Muse® Custom ImagePerf
- Muse® Custom lasercut metal

B. PRODUCT CODE

- Refer to Page 6|7
- Custom

C. BASE MATERIAL

- Aluminium
- Galvanised Steel
- Stainless Steel

D. PANEL FINISH

- Powdercoat
- Anodised
- No Finish

E. REGION

- Region A
- Region B
- Region C
- Region D

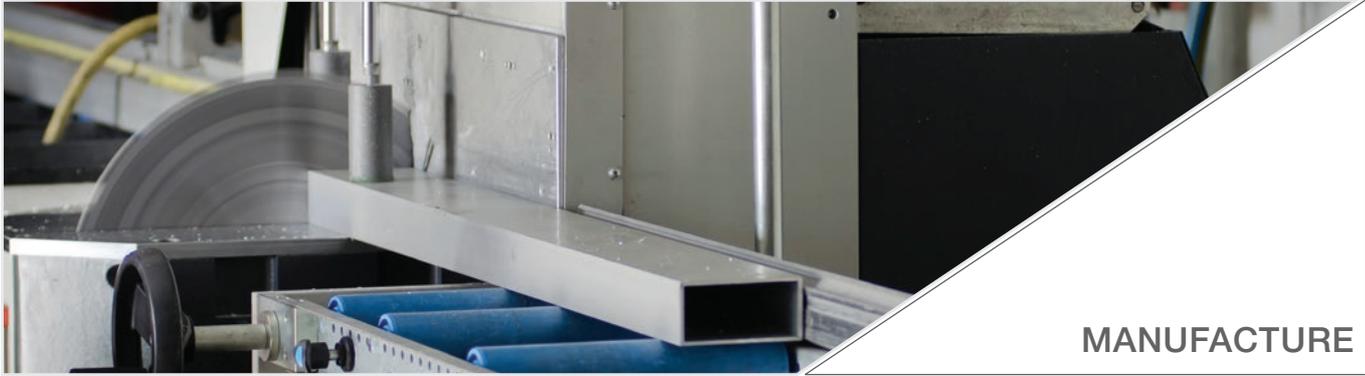
F. TERRAIN CATEGORY

- 1
- 2
- 2.5
- 3
- 4

ARCADIA IS A COMPANY THAT OFFERS A PROFESSIONAL TEAM WITH DIVERSE EXPERTISE.



DESIGN



MANUFACTURE



PROJECT MANAGEMENT



SERVICING MAINTENANCE

PROVIDING A FULL SPECTRUM OF SERVICES FROM CONCEPT TO COMPLETION FOR EVERY ASPECT OF YOUR PROJECT.

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