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.
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.
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.
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.

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

**FUNCTION**

- Wide range of perforated profiles available
- Base materials: Galvanised Steel, Stainless Steel and Aluminium
- Colour: Anodised and Powdercoat range
- Custom Muse® Image perf
- 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
<table>
<thead>
<tr>
<th>CODE</th>
<th>PATTERN</th>
<th>HOLE SIZE</th>
<th>PITCH</th>
<th>OPEN AREA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ROS – 0614</td>
<td>Round Aligned</td>
<td>6.0 mm</td>
<td>14.5 mm</td>
<td>14%</td>
</tr>
<tr>
<td>ROS – 0625</td>
<td>Round Staggered</td>
<td>4.76 mm</td>
<td>6.35 mm</td>
<td>56%</td>
</tr>
<tr>
<td>ROS – 0825</td>
<td>Round Staggered</td>
<td>8.0 mm</td>
<td>25 mm</td>
<td>60%</td>
</tr>
<tr>
<td>ROS – 1225</td>
<td>Round Staggered</td>
<td>12.7 mm</td>
<td>17.27 mm</td>
<td>36%</td>
</tr>
<tr>
<td>ROS – 2436</td>
<td>Round Staggered</td>
<td>2.41 mm</td>
<td>3.66 mm</td>
<td>40%</td>
</tr>
<tr>
<td>ROS – 3255</td>
<td>Round Staggered</td>
<td>3.2 mm</td>
<td>5.59 mm</td>
<td>30%</td>
</tr>
<tr>
<td>ROS – 3261</td>
<td>Round Staggered</td>
<td>3.2 mm</td>
<td>6.1 mm</td>
<td>25%</td>
</tr>
<tr>
<td>ROS – 3955</td>
<td>Round Staggered</td>
<td>3.97 mm</td>
<td>5.59 mm</td>
<td>46%</td>
</tr>
<tr>
<td>ROS – 4763</td>
<td>Round Staggered</td>
<td>4.76 mm</td>
<td>6.35 mm</td>
<td>56%</td>
</tr>
<tr>
<td>ROS – 4779</td>
<td>Round Staggered</td>
<td>4.76 mm</td>
<td>7.92 mm</td>
<td>33%</td>
</tr>
<tr>
<td>ROS – 6385</td>
<td>Round Staggered</td>
<td>6.35 mm</td>
<td>8.5 mm</td>
<td>60%</td>
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<tr>
<td>ROS – 7995</td>
<td>Round Staggered</td>
<td>7.94 mm</td>
<td>9.55 mm</td>
<td>62%</td>
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<tr>
<td>ROS – 9512</td>
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<td>12.7 mm</td>
<td>51%</td>
</tr>
<tr>
<td>ROS – 9514</td>
<td>Round Staggered</td>
<td>9.53 mm</td>
<td>14.2 mm</td>
<td>51%</td>
</tr>
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<td>ROS – 9516</td>
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<td>9.53 mm</td>
<td>16 mm</td>
<td>32%</td>
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<tr>
<td>ROS – 1025</td>
<td>Round Staggered</td>
<td>10 mm</td>
<td>25 mm</td>
<td>25%</td>
</tr>
<tr>
<td>ROS – 1217</td>
<td>Round Staggered</td>
<td>12.7 mm</td>
<td>17.27 mm</td>
<td>36%</td>
</tr>
</tbody>
</table>
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 Picture Perforated Screens

Above: Arcadia Muse® Custom Pattern Perforated Screens
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.
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 Image Perf
   - Muse® Custom laser cut 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.

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