



Granum® Timber Powder Coat

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**MAKING BUILDINGS BETTER**



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# About

**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.**

We are a national company with satisfied customers across Australia. We are proud to be an Australian manufacturer and provide a complete end-to-end service in house including design, engineering, manufacture, installation and service.

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](http://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.



# Design Manufacture Project Management Service Maintenance



## Overview

**Arcadia Granum® timber powder-coat is a national proven market leading finishing system that is complimentary to contemporary architecture. The availability of multiple “woods”, two tiers of grain quality and the ability to customise the colours, allows designers to deliver a functional and flexible finish for numerous architectural applications.**

**The Arcadia Granum® timber powder-coat is designed to withstand the harsh Australian environment.**

Key points:

- ▶ Complete end-to-end: Design, Engineer, Manufacture and Installation - vast range of colours
- ▶ Can be applied across complete Arcadia product range
- ▶ Product and finish warranties available
- ▶ Non-flammable and asbestos-free

In this brochure you will find

- ▶ Range selection guides
- ▶ Standard available finishes
- ▶ Applications and examples
- ▶ Design specification information

Call our experts on **1300 458 458**, who will talk through your design requirements and will be more than happy to assist you with information, samples and more.





# Why

**When selecting the products and finishes for projects, it is important to consider the benefits that different materials offer. When compared with timber or timber composite products, Granum® timber powder-coat offers the following advantages:**

- ▶ Compared to timber aluminium is a “much lighter material”, with reduced requirements for secondary support structure.
- ▶ Aluminium is a **low maintenance material** – regular mild soap and water cleaning is all that is required to clean finished aluminium surfaces. No need to ever oil, stain or paint.
- ▶ Granum® timber finishes are applied to aluminium, making them **impervious to assault** by termites.
- ▶ Non Flammable extruded aluminium system with Granum® Timber grain finishes tested to AS/NZ 1530.3
- ▶ Aluminium is highly recyclable, and excess powders not used are able to be recycled for later batches, making the production **highly environmentally friendly**.
- ▶ The extruded aluminium base material is able to be produced in virtually **limitless profiles**, allowing the product to easily meet the architectural intent.





# Colour

The Arcadia Granum® timber powder-coat range is available in two primary variants, with customised finishes available on request.

The “Standard” and “Premium” ranges are available, and serve to assist suitability of the finish towards different applications.

## Standard

The “Standard” range has a basic grain and colour selection and is often used in environments that are less demanding. This product range offers benefits

for cost, with a much simpler application method, at the compromise of a lower quality wood grain finish. This range has four standard colours.



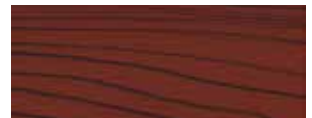
Snow Gum



Honey Gum



Cedar



Mahogany

## Premium

The “Premium” range is a sophisticated and elegant finish suitable for applications that are likely to be within close viewing distances, such as sliding screens, ceiling battens or walkway feature screens. This product offers

a superior timber effect, and is near-indistinguishable from real timber.

This range has a core selection of 20 colours, with a further 24 selections available on request.



Knotty Pine



Beige Oak



Light Oak



Atlantic Cedar



Light Kwila



Western Cedar



Red Cedar



Bush Cherry



Chestnut



Black Butt



Red Gum



Western Red Cedar



Teak



Dark Bush Cherry



Jarrah



Rose Mahogany



Iron Bark



Black Walnut



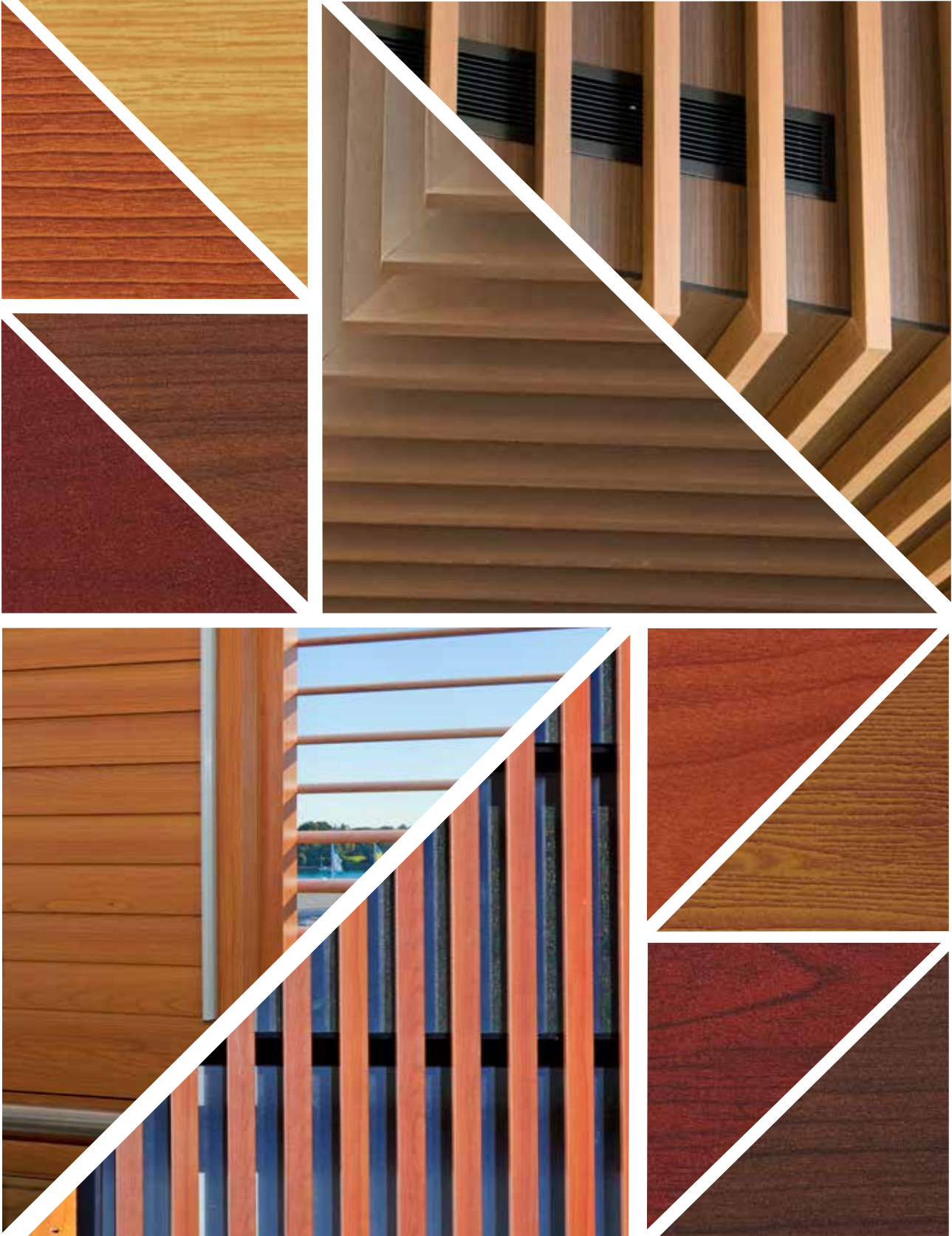
Wenge



Black Ash

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# Texture



# Internal Battens

## Reference Chart

| CODE           | THICKNESS | DEPTH | MAX. VERTICAL SPAN* | MAX. HORIZONTAL SPAN* | PROFILE |
|----------------|-----------|-------|---------------------|-----------------------|---------|
| <b>B16/40</b>  | 16        | 40    | 1400                | 1300                  |         |
| <b>B16/75</b>  | 16        | 75    | 1500                | 1400                  |         |
| <b>B22/120</b> | 22        | 120   | 2000                | 1800                  |         |
| <b>B25/40</b>  | 25        | 40    | 2200                | 2000                  |         |
| <b>B25/100</b> | 25        | 100   | 2200                | 2000                  |         |
| <b>B40/80</b>  | 40        | 80    | 3200                | 2800                  |         |
| <b>B40/140</b> | 40        | 140   | 3200                | 2800                  |         |
| <b>B45/35</b>  | 45        | 35    | 2100                | 1800                  |         |
| <b>B45/50</b>  | 45        | 50    | 3700                | 3000                  |         |
| <b>B45/75</b>  | 45        | 75    | 3700                | 3000                  |         |
| <b>B45/100</b> | 45        | 100   | 3500                | 3000                  |         |
| <b>B50/50</b>  | 50        | 50    | 3600                | 2800                  |         |
| <b>B50/100</b> | 50        | 100   | 4000                | 3300                  |         |
| <b>B50/150</b> | 50        | 150   | 4100                | 3400                  |         |
| <b>B55/40</b>  | 55        | 40    | 2300                | 1900                  |         |
| <b>B20/300</b> | 20        | 300   | 3200                | 2800                  |         |
| <b>B20/450</b> | 20        | 450   | 3200                | 2800                  |         |

\* Spans above assume Cyclonic Region "A" under 7 stories in height.









\* Spans above assume blade unsheltered from wind & not supported at midpoints. Shelter / support increases spans.

All profiles available in vertical and horizontal applications. Secret fix options available.



# External Box Blades

## Reference Chart

| CODE               | THICKNESS | DEPTH       | MAX. VERTICAL SPAN* | MAX. HORIZONTAL SPAN* | PROFILE   |
|--------------------|-----------|-------------|---------------------|-----------------------|---|
| <b>B20/300</b>     | 20        | 300         | 3200                | 2800                  |    |
| <b>B20/450</b>     | 20        | 450         | 3200                | 2800                  |    |
| <b>B20/120</b>     | 20        | 120         | 2000                | 1800                  |    |
| <b>B25/100</b>     | 25        | 100         | 2100                | 2000                  |    |
| <b>B30/300</b>     | 30        | 300         | 2600                | 2300                  |    |
| <b>B40/80</b>      | 40        | 80          | 3200                | 2800                  |    |
| <b>B40/140</b>     | 40        | 140         | 3200                | 2800                  |    |
| <b>B40/200</b>     | 40        | 200         | 3200                | 2800                  |   |
| <b>B45/100</b>     | 45        | 100         | 3500                | 3000                  |  |
| <b>B45/135</b>     | 45        | 135         | 3700                | 3100                  |  |
| <b>B45/180</b>     | 45        | 180         | 3500                | 3000                  |  |
| <b>B45 Modular</b> | 45        | 185 - 635** | 3700                | 3100                  |  |
| <b>B50/50</b>      | 50        | 50          | 3600                | 2800                  |  |
| <b>B50/100</b>     | 50        | 100         | 4000                | 3300                  |  |
| <b>B50/150</b>     | 50        | 150         | 4100                | 3400                  |  |
| <b>B55/100</b>     | 55        | 100         | 4600                | 3400                  |  |
| <b>B55/160</b>     | 55        | 160         | 4400                | 3300                  |  |
| <b>B55 Modular</b> | 55        | 190 - 640** | 4200                | 3500                  |  |
| <b>B75/190</b>     | 75        | 190         | 5800                | 4200                  |  |
| <b>B75/240</b>     | 75        | 240         | 5700                | 4200                  |  |
| <b>B75 Modular</b> | 75        | 190 - 640** | 5600                | 4200                  |  |

\* Spans above assume Cyclonic Region "A" under 7 stories in height.








\* Spans above assume blade unsheltered from wind & not supported at midpoints. Shelter / support increases spans.

\*\* Modular increments of 150mm.



# Ellipsoid Blades

## Reference Chart

| CODE | THICKNESS | DEPTH | MAX. VERTICAL SPAN* | MAX. HORIZONTAL SPAN* | PROFILE   |
|------|-----------|-------|---------------------|-----------------------|---|
| E60  | 60        | 1100  | 1000                | 1300                  |    |
| E90  | 90        | 1200  | 1200                | 1400                  |    |
| E125 | 125       | 1600  | 1500                | 1800                  |    |
| E150 | 150       | 2000  | 1800                | 2000                  |    |
| E200 | 200       | 2400  | 2100                | 2000                  |    |
| E300 | 300       | 3300  | 2900                | 2800                  |   |
| E430 | 430       | 3600  | 3000                | 2800                  |  |

\* Spans above assume Cyclonic Region "A" under 7 stories in height.

\* Spans above assume blade unsheltered from wind & not supported at midpoints. Shelter / support increases spans.

\* Spans above assume fixed blade operation. Blade spans reduce for operable blades.

All profiles available in manually operable applications. Electrically operable applications available for select profiles.

All profiles available in vertical and horizontal applications.

Secret fix options available.



























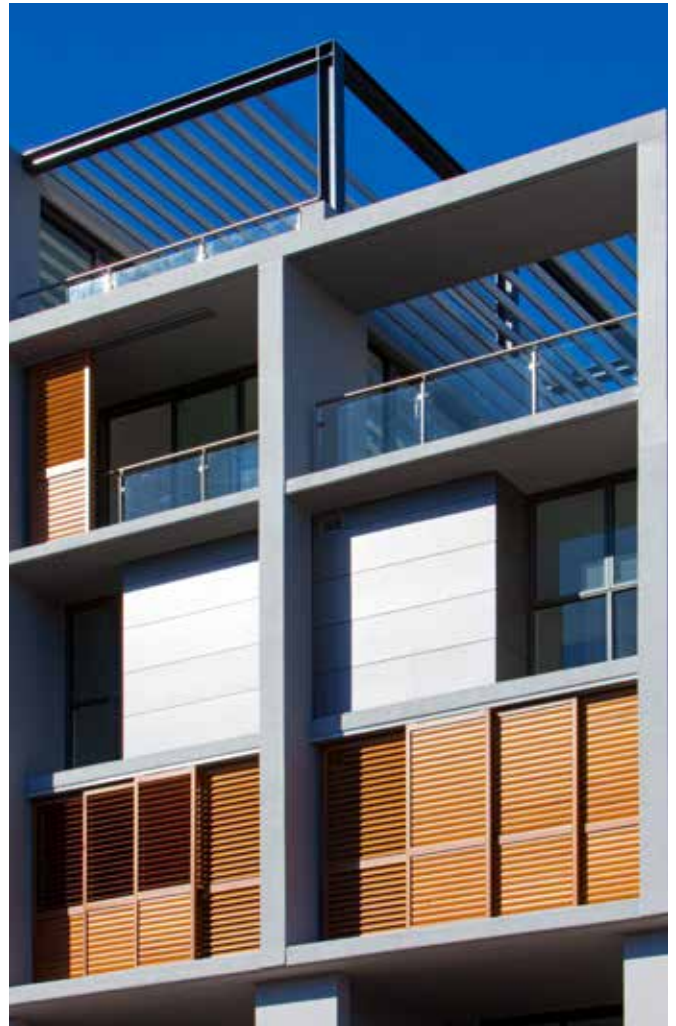
# Louvre Screens

## Reference Chart

| CODE    | MAX. WIDTH* | MAX. DEPTH* | PROFILE   | FIXED SCREEN | SLIDING/ BIFOLDING SCREEN | MANUAL OPERATION OPTION |
|---------|-------------|-------------|---|--------------|---------------------------|-------------------------|
| B16/40  | 1300        | 2800        |    | ▶            | ▶                         |                         |
| B16/75  | 1400        | 3000        |    | ▶            | ▶                         |                         |
| B22/120 | 1800        | 3300        |    | ▶            | ▶                         |                         |
| B25/40  | 2000        | 3300        |    | ▶            | ▶                         |                         |
| B25/100 | 2000        | 3300        |    | ▶            | ▶                         |                         |
| B40/80  | 2800        | 3300        |    | ▶            | ▶                         |                         |
| B40/140 | 2800        | 3300        |    | ▶            | ▶                         |                         |
| B45/35  | 1800        | 3300        |  | ▶            | ▶                         |                         |
| B45/50  | 3000        | 3300        |  | ▶            | ▶                         |                         |
| B45/75  | 3000        | 3300        |  | ▶            | ▶                         |                         |
| B45/100 | 3000        | 3300        |  | ▶            | ▶                         |                         |
| B50/50  | 2800        | 3300        |  | ▶            | ▶                         |                         |
| B50/100 | 3300        | 3300        |  | ▶            | ▶                         |                         |
| B50/150 | 3400        | 3300        |  | ▶            | ▶                         |                         |
| B55/40  | 1900        | 3300        |  | ▶            | ▶                         |                         |
| E60     | 1000        | 2200        |  | ▶            | ▶                         | ▶                       |
| E90     | 1200        | 2400        |  | ▶            | ▶                         | ▶                       |
| E125    | 1500        | 3200        |  | ▶            | ▶                         | ▶                       |
| E150    | 1800        | 3300        |  | ▶            | ▶                         | ▶                       |
| E200    | 2100        | 3300        |  | ▶            |                           | ▶                       |



\* Maximum width / height above assume Cyclonic Region "A" under 7 stories in height.  
 \* Maximum width assumes horizontal blades. Maximum height assumes vertical blades.  
 \* Maximum width / height assume fixed blade operation. Blade spans reduce for operable blades.  
 \* Spans above assume blade unsheltered from wind & not supported at midpoints. Shelter / support increases spans.  
 \* Maximum height above assumes standard fixed transom as required. No transom reduces maximum height.

Screens screens built to widths exceeding 1000mm may have reduced maximum height. Maximum sliding screen width 1400mm. Maximum bi-fold screen width 900mm. Bi-fold screens always supplied in pairs. Select profiles available in manually or electrically operable applications. All profiles available in vertical and horizontal applications.

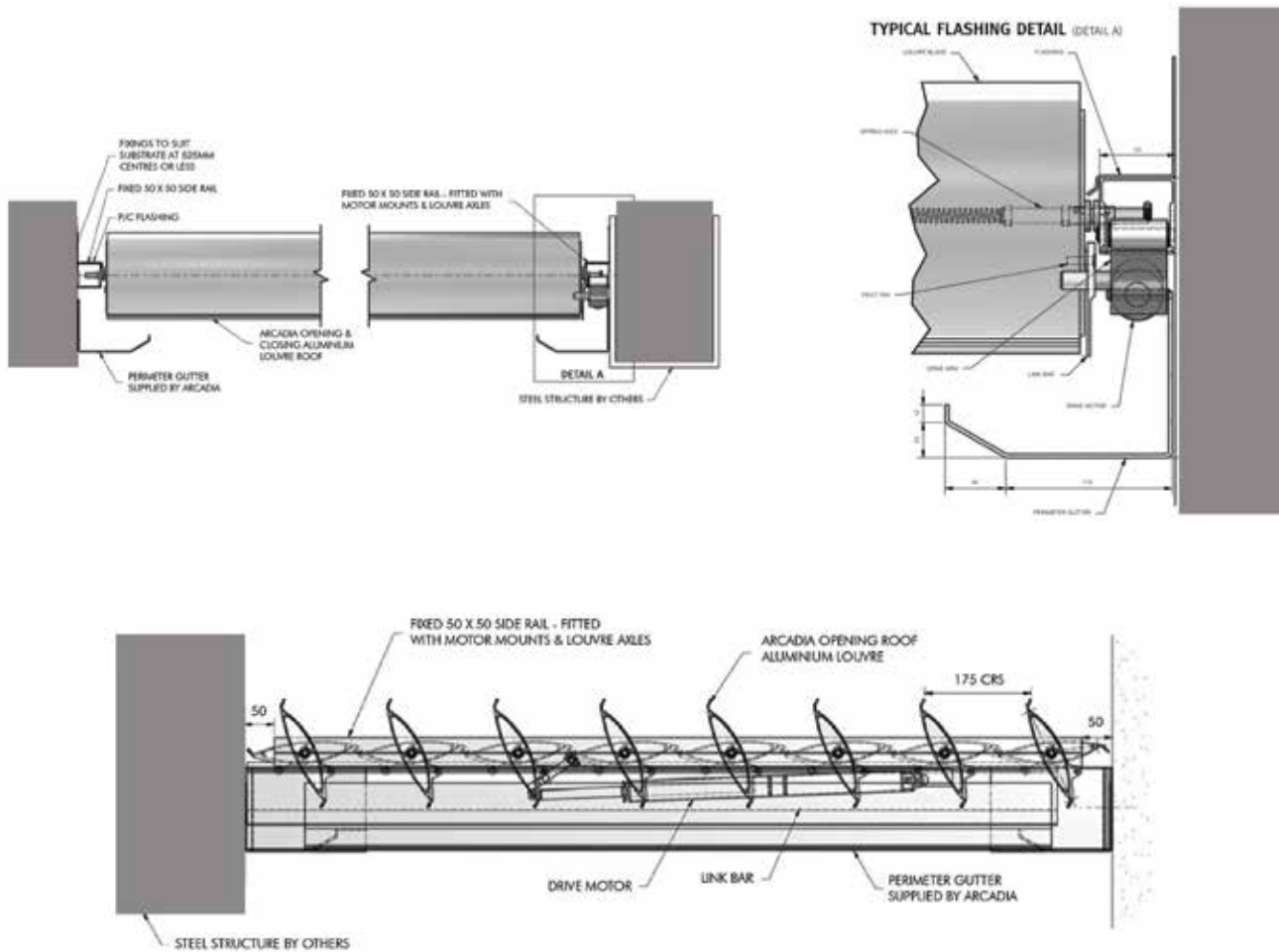


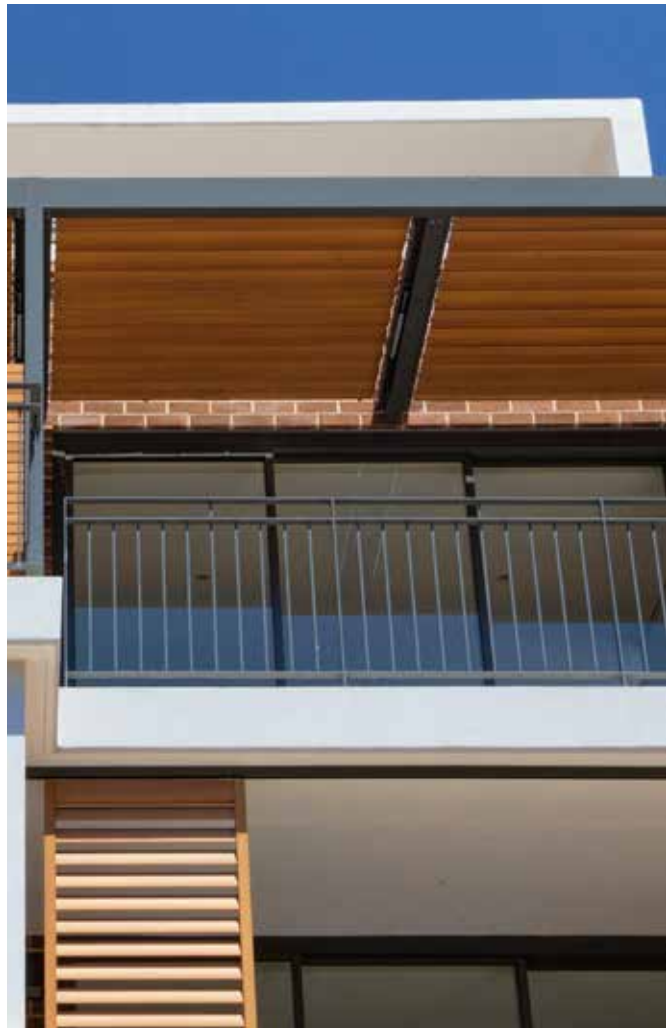
# Operable Roofs

## Reference Chart

|             | CODE | DEPTH IN MM |      |      |      |      |      | NAME                | PROFILE   |
|-------------|------|-------------|------|------|------|------|------|---------------------|---|
|             |      | 2000        | 2500 | 3000 | 3500 | 4000 | 4500 |                     |   |
| SPANS IN MM | OR-E | 3400        | 3200 | 3000 | 2800 | 2600 | 2400 | Ritz Standard Blade |  |
|             | OR-R | 4000        | 3800 | 3600 | 3400 | 3200 | 3000 | Ritz Piazza Blade   |  |

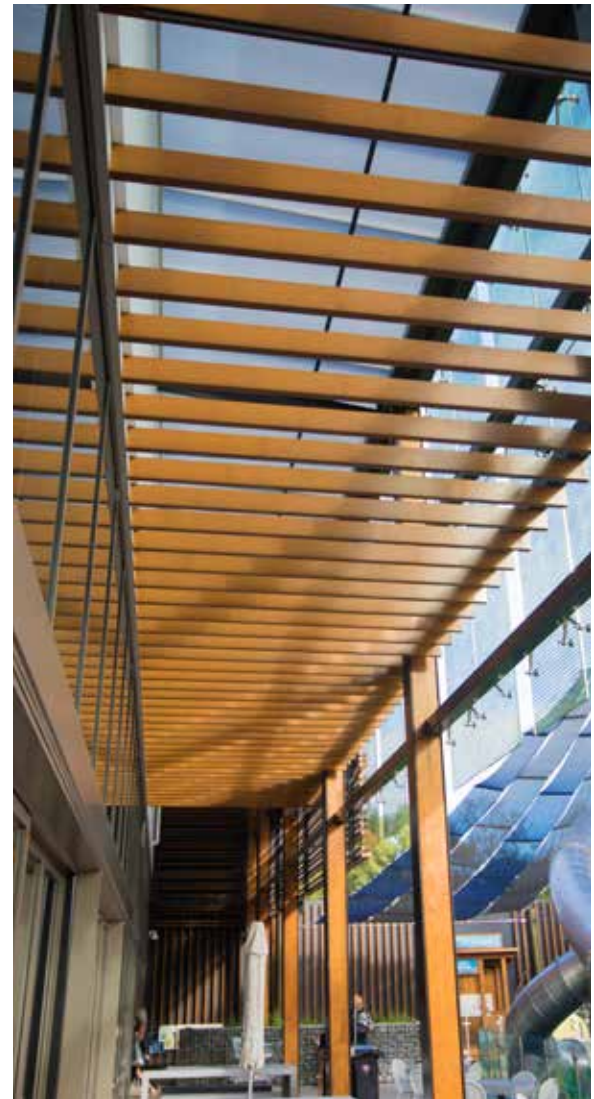
\* Spans above assume Cyclonic Region "A" under 7 stories in height.  
Operating screens above available with wall / remote operation.





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# Inspire







Woolworths  
Banksia Grove









# Mandurah Forum







# St Ives Aged Care





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