



## Polaris Series<sup>®</sup> Perforated Metal Screens



Louvreclad's Polaris Series<sup>®</sup> inclusion of perforated metal screens can create a striking feature while permitting preferred degrees of filtered natural light and vision.

### Distinctive Features:

- Standard or bespoke designs available
- Perforated Aluminium Plate
- Concealed fixing options available
- Powdercoat or anodise finish
- Bespoke sub-framing and fixing systems
- Compatible with Platinum Series<sup>®</sup>
- 100% Australian

### Attention to Detail:

- Typically 3mm aluminium
- Variety of perforation sizes and shapes, free open areas available
- Picture perf options available
- Designed, engineered and certified
- AS 1530.3 Test Certificate
- Low Maintenance
- Corrosion Resistant



**ARCHITECTURAL FEATURE  
SCREENS**



*Thinking outside for inside performance*



## DRAFT SPECIFICATION

Screens will be Louvreclad Polaris Series® (state pattern code number)

\* FULL DRAFT SPECIFICATION AVAILABLE ON REQUEST

### Base Material & Finish

Sunscreens will be manufactured in [powder coated/ anodised] aluminium finish in [state colour]

### Installation and Mounting

Installation and mounting details will be designed in accordance with proprietary systems and recommendations as designed and manufactured by Louvreclad. Phone: 1300 165 678 Email: sales@louvreclad.com

### Finishes Available

Choose from the following range of finishes:

- complete powder coated range

### Base Material Options

- Aluminium

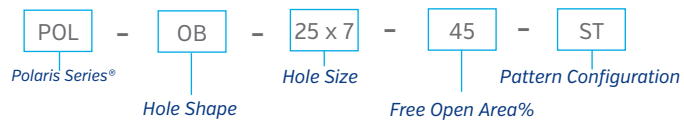
### Legend:

Shape	Shape code	Hole Size
Round	RO	
Square	SQ	
Rectangle	RE	
Triangle	TR	
Obround	OB	
Hexagonal	HE	

Open area %	Open area % code
10	10
20	20
30	30
35	35
40	40
45	45
50	50

Pattern Configuration	Pattern Configuration Code
Staggered	ST
Square Pattern	S90
Staggered rotated 60	S60
Square Pattern rotated 45	S45
Staggered rotated 30	S30

### Example:



## PATTERN CONFIGURATIONS & DESIGN PARAMETERS

All perforated aluminum screens and samples are manufactured to order.

Many variations of these patterns can be created by playing with the hole size, rotation, and open area of the pattern.

**Please note:** Diameter of Hole and web size must be larger than the thickness of the material.

### Economical Design:

To ensure the most economical design with minimal wastage it is best to work with standard aluminium sheet sizes.

Standard 3mm aluminium sheets:

3.00 X 1200 X 2400      3.00 X 1500 X 3000

3.00 X 1500 X 2400      3.00 X 1200 X 3600

3.00 X 1200 X 3000      3.00 X 1500 X 3600

[Larger sheets available POA]

### Unperforated borders:

Please allow a 15mm min unperforated border to be specified depending on the required folds to suit the design intent.

### Aluminium Perforated Screen Weight

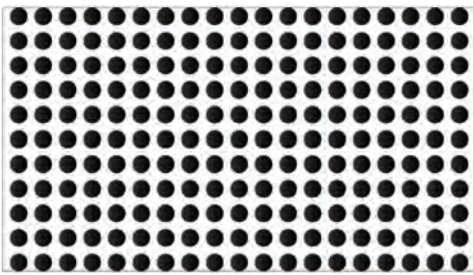
= (Length X Width X Thickness X Density) - Open area

Example: [A sheet of 2.400 X 1.200 X 3mm thick aluminium X 2.71 density of aluminium] - 41% = 13.8kg

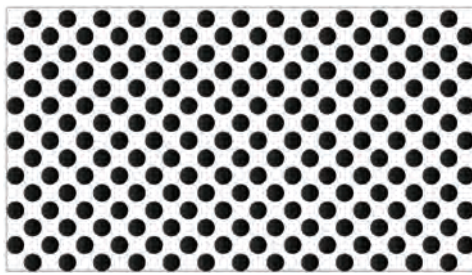
Please note this formula calculates an approx. weight & should be used as a guide only.



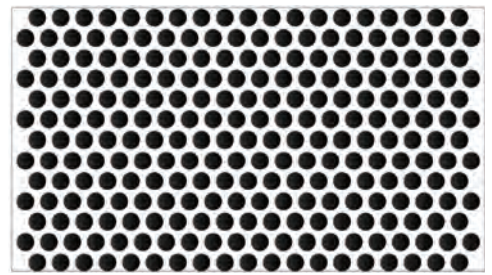




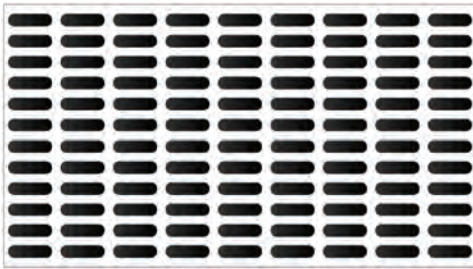
Round Hole Square Configuration



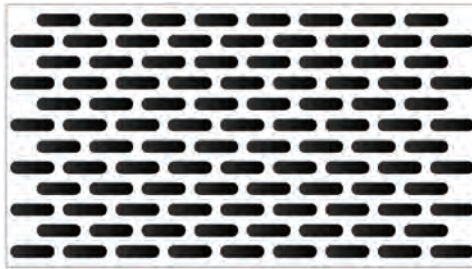
Round Hole Square Configuration rotated 45°



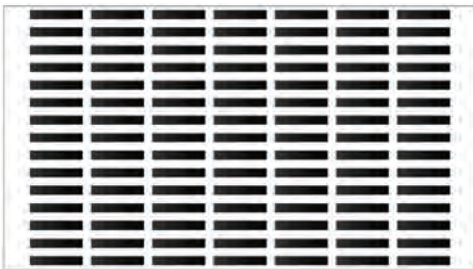
Round Hole Square Staggered Configuration



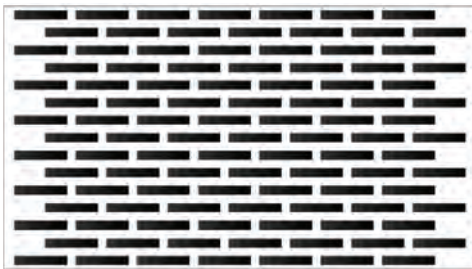
Obround Hole Square Configuration



Obround Hole Staggered Configuration



Rectangle Hole Square Configuration



Rectangle Hole Staggered Configuration

## Pattern Selection:

All Pattern configurations displayed in this fact sheet are examples only.

Each pattern can be specified with Hole type / hole size / rotation and free open area to suit your project design.

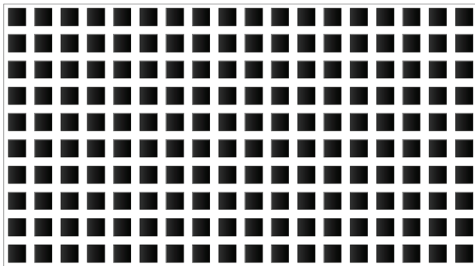
**Please note:** Diameter of Hole and web size must be larger than the thickness of the material.

Please get in touch with a Louvreclad Design Consultant to assist with your selection.

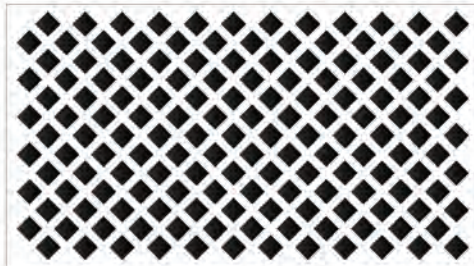




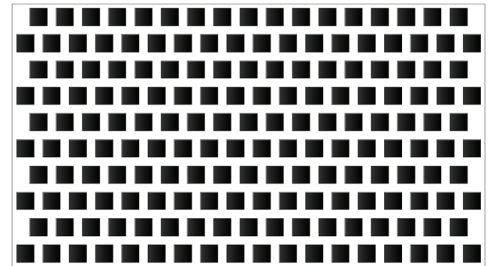
▲ Centenary State High School: POL-OB-25x7-45-ST



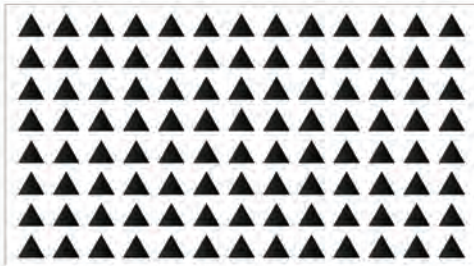
Square Hole Square Configuration



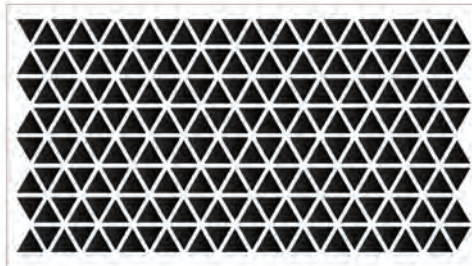
Square Hole Square Configuration rotated 45°



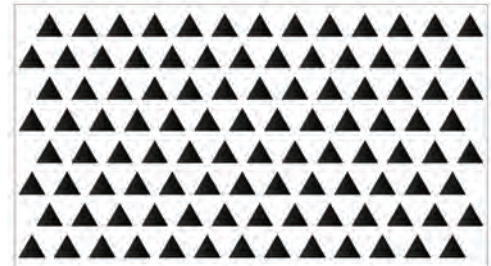
Square Hole Square Staggered Configuration



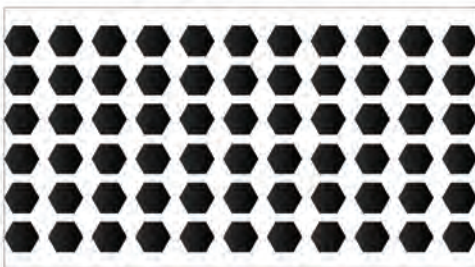
Triangle Hole Square Configuration



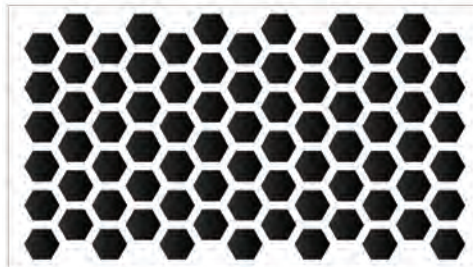
Triangle Hole Staggered Configuration rotated 60°



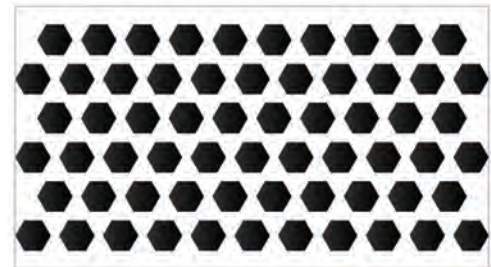
Triangle Hole Staggered Configuration



Hexagonal Hole Square Configuration



Hexagonal Hole Staggered Configuration rotated 30°



Hexagonal Hole Staggered Configuration





## Westconnex

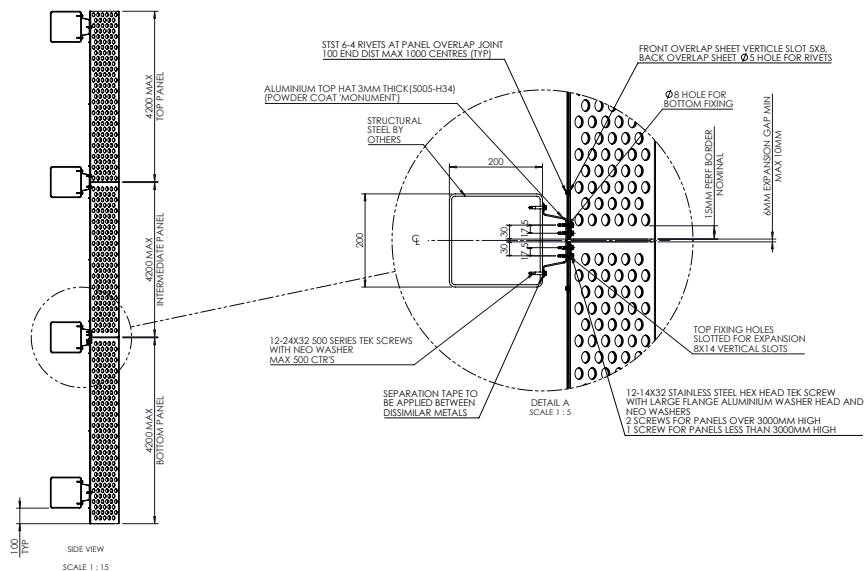
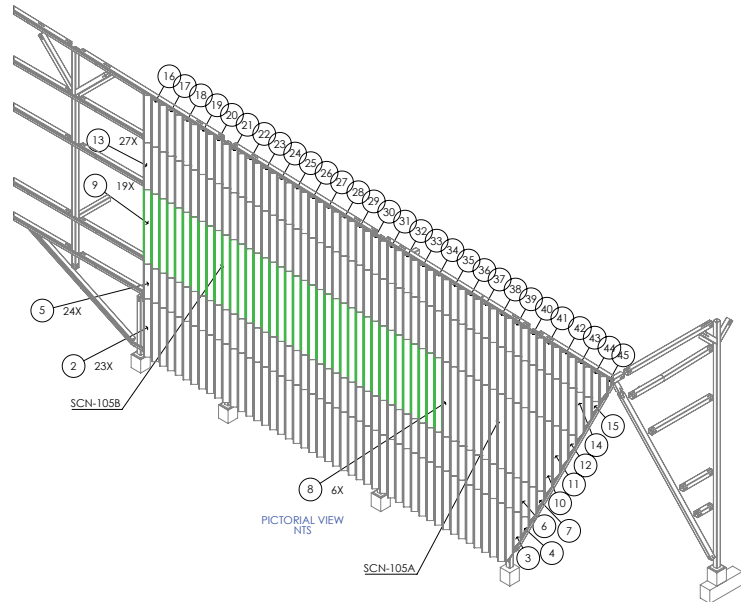
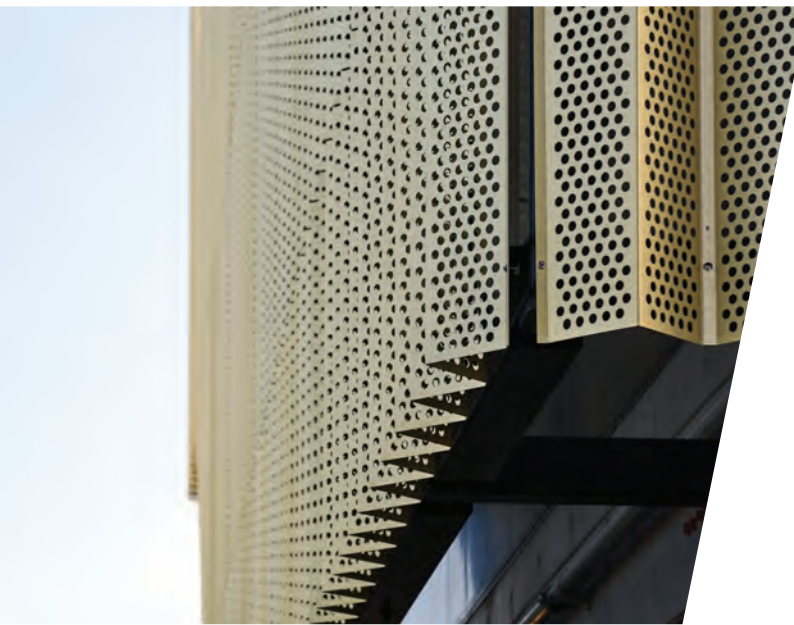
Louvreclad Polaris Series® bespoke folded perforated aluminium screen.

A stunning perforated metal façade that includes 2480m<sup>2</sup> and 1219 panels of perforated aluminium Polaris Series® screens all designed, engineered and manufactured by Louvreclad in-house. Louvreclad's ability to produce these panels in-house ensured efficient quality controlled manufacturing and shorter lead times that met the project requirements.

Once shipped to site, our experienced project team maintained efficiencies by utilizing specialist machinery that allowed for 6-8 panels to be installed at one time.

Polaris Code: POL-RO-25-30-ST

Green area highlighted below: POL-RO-25-50-ST







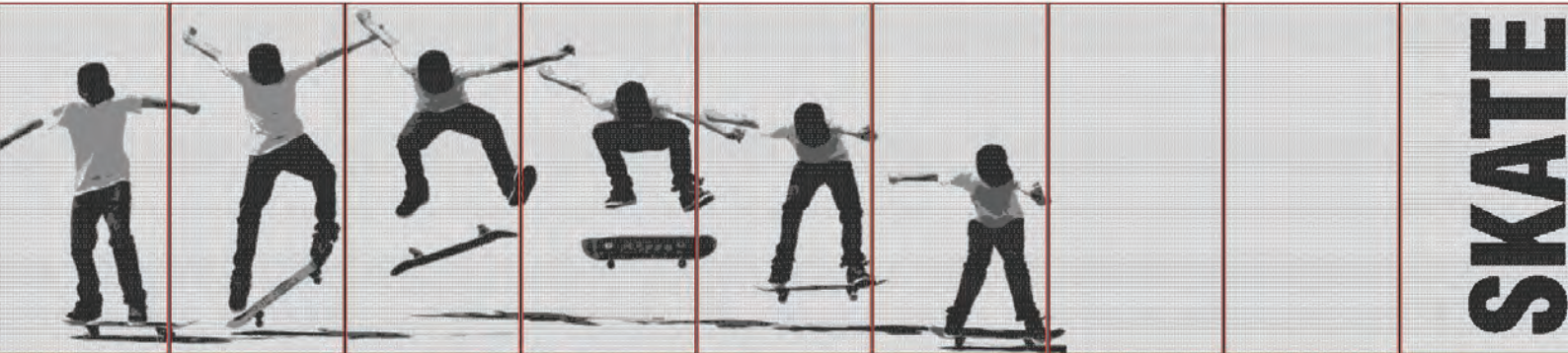




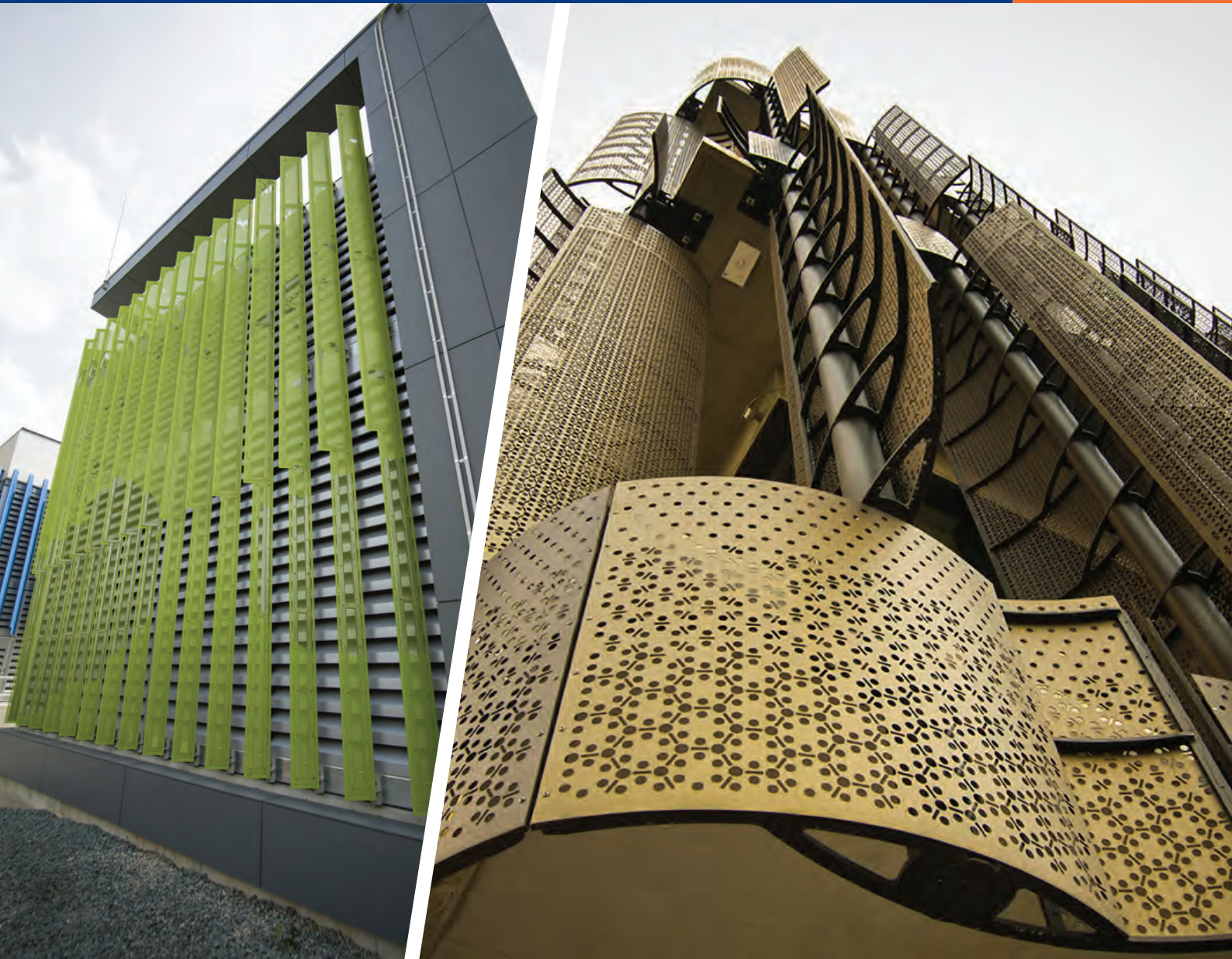
▲ Chifley Skate Park: Custom Pic Perf.

By utilising innovative technology, detailed imagery can be imprinted onto metal through different sized punched holes, offering added value to building exteriors with striking effectiveness.

- Custom-designed perforations available
- Can be used to display logos, pictures and words on exteriors
- Variety of perforation sizes and shapes, free open areas, and material types and thicknesses available







**i WOULD YOU LIKE TO KNOW MORE?**

If you have any questions about this product, or if you would like to speak to a member of our expert team about how we can tailor a solution for you, call: **1300 165 678** or visit: [louvreclad.com](http://louvreclad.com)