



Polaris Series[®]



SCREENS

Louvreclad's Polaris Series[®] 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[®]
- 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**

 **LOUVRECLAD[®]**

Thinking outside for inside performance

DRAFT SPECIFICATION

Screens will be Louvreclad Polaris Series[®] [state pattern code number]

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

* FULL DRAFT SPECIFICATION AVAILABLE ON REQUEST

PATTERN CONFIGURATIONS & DESIGN PARAMETRES

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 2400

3.00 X 1200 X 3000

3.00 X 1500 X 3000

3.00 X 1200 X 3600

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.

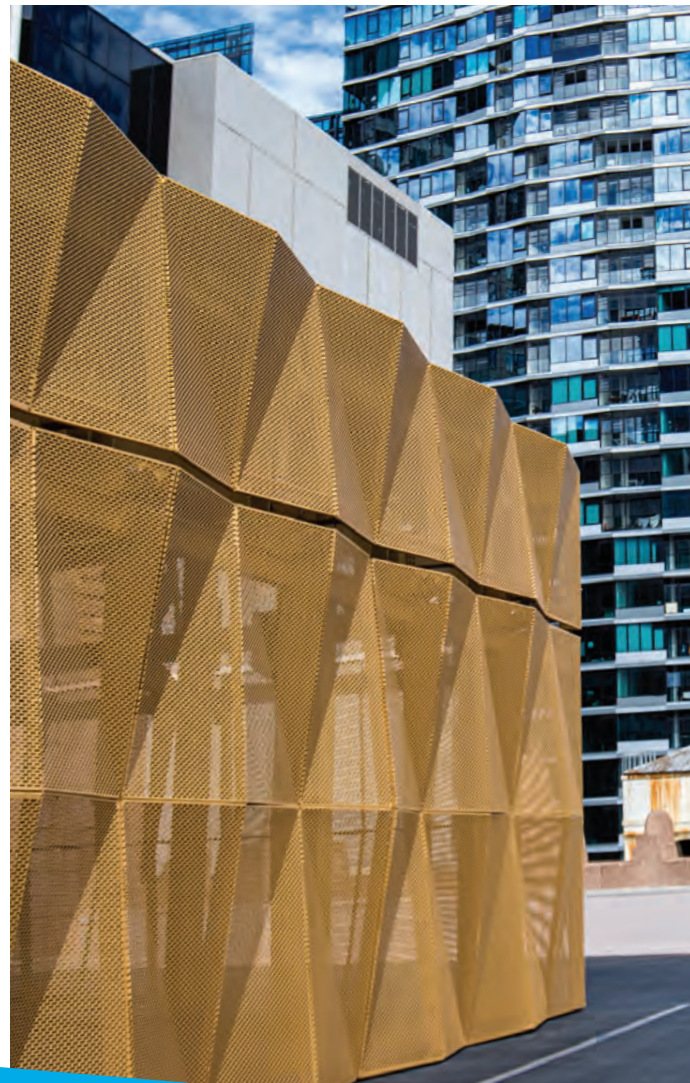
Aluminium Perforated Screen Weight

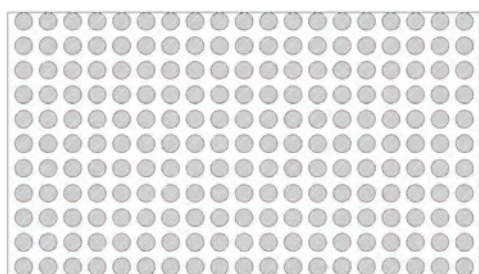
$$[\text{Length (m)} \times \text{Width (m)} \times \text{Thickness (m)} \times \text{Density (kgm}^{-3}\text{)}] \times \left[1 - \frac{\text{Open area Percentage}}{100}\right]$$

Calculated Example for 2.4m[L] x 1.2m[W] x 0.003m[T] Polaris panel with 41% open area:

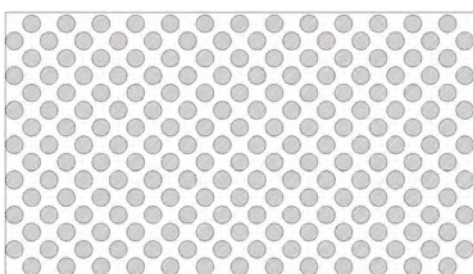
$$[2.4\text{m} \times 1.2\text{m} \times 0.003\text{m} \times 2710\text{kgm}^{-3}] \times \left[1 - \frac{41}{100}\right] = 13.8\text{kg}$$

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

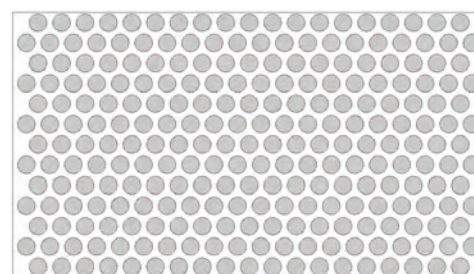




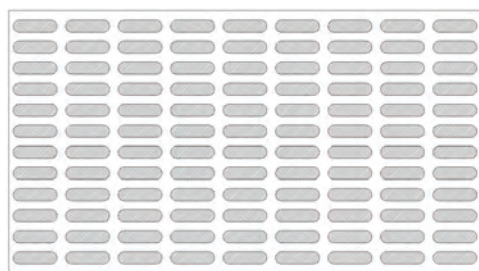
LOUVRECLAD POLARIS SERIES ROUND HOLE SQUARE CONFIGURATION



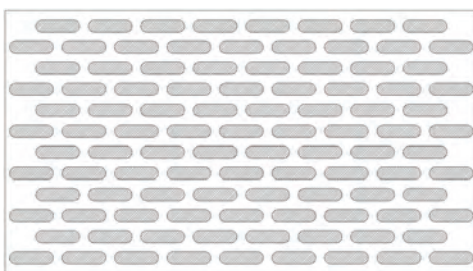
LOUVRECLAD POLARIS SERIES ROUND HOLE SQUARE CONFIGURATION ROTATED 45 DEGREES



LOUVRECLAD POLARIS SERIES ROUND HOLE STAGGERED CONFIGURATION



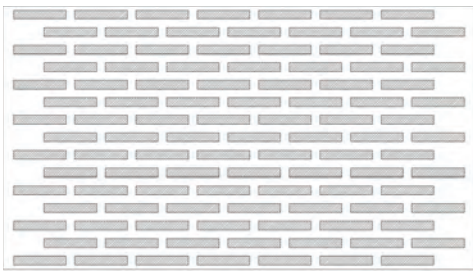
LOUVRECLAD POLARIS SERIES OBROND HOLE SQUARE CONFIGURATION



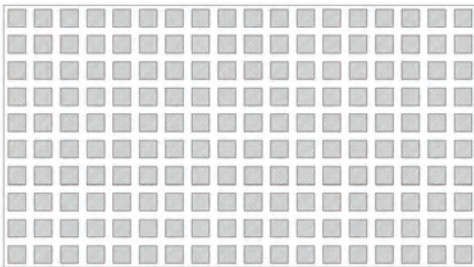
LOUVRECLAD POLARIS SERIES OBROND HOLE STAGGERED CONFIGURATION



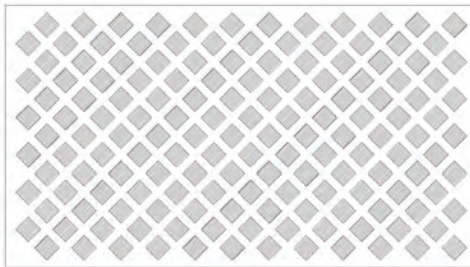
LOUVRECLAD POLARIS SERIES RECTANGLE HOLE SQUARE CONFIGURATION



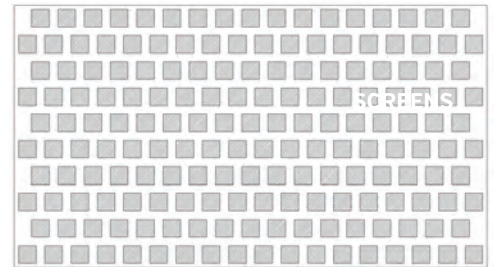
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LOUVRECLAD POLARIS SERIES SQUARE HOLE SQUARE CONFIGURATION



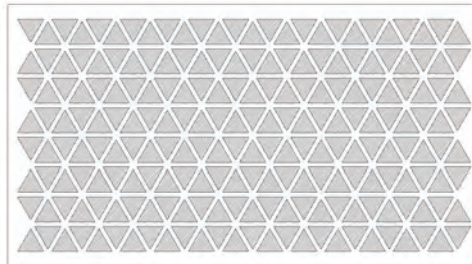
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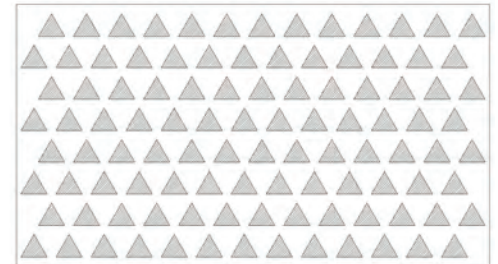
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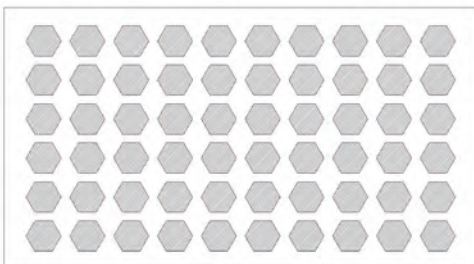
LOUVRECLAD POLARIS SERIES TRIANGLE HOLE SQUARE CONFIGURATION



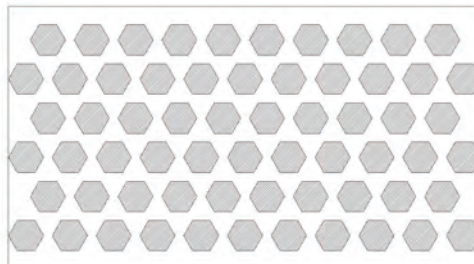
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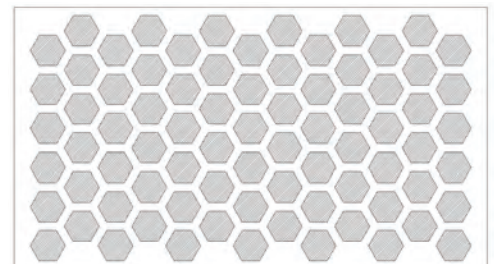
LOUVRECLAD POLARIS SERIES TRIANGLE HOLE STAGGERED CONFIGURATION



LOUVRECLAD POLARIS SERIES HEXAGONAL HOLE SQUARE CONFIGURATION



LOUVRECLAD POLARIS SERIES HEXAGONAL HOLE STAGGERED CONFIGURATION



LOUVRECLAD POLARIS SERIES HEXAGONAL HOLE STAGGERED CONFIGURATION ROTATED 30 DEGREES



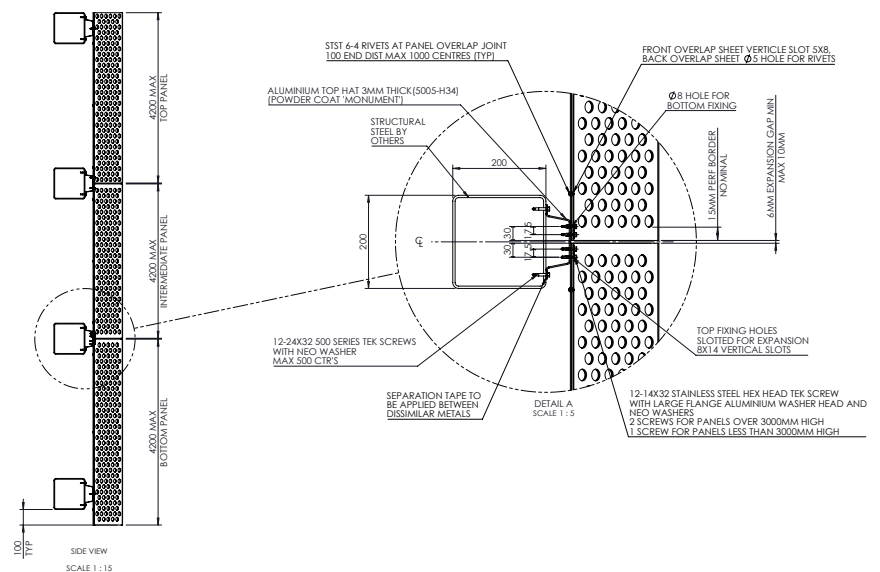
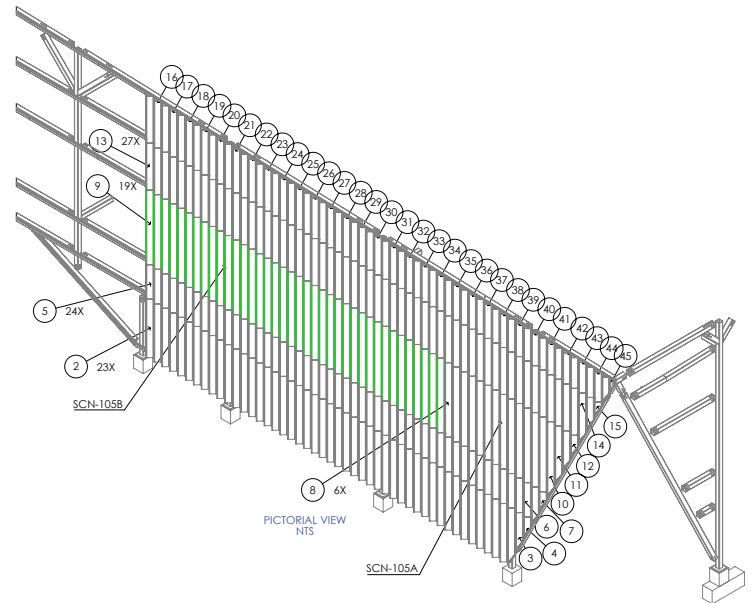
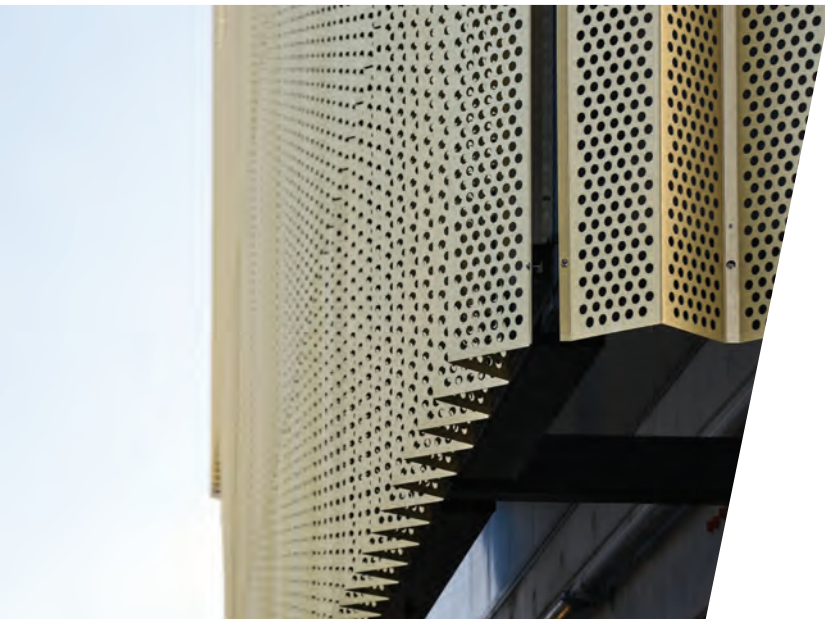
Westconnex

Louvreclad Polaris Series® bespoke folded perforated aluminium screen.

A stunning perforated metal façade that includes 2480m² 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 / 50-ST

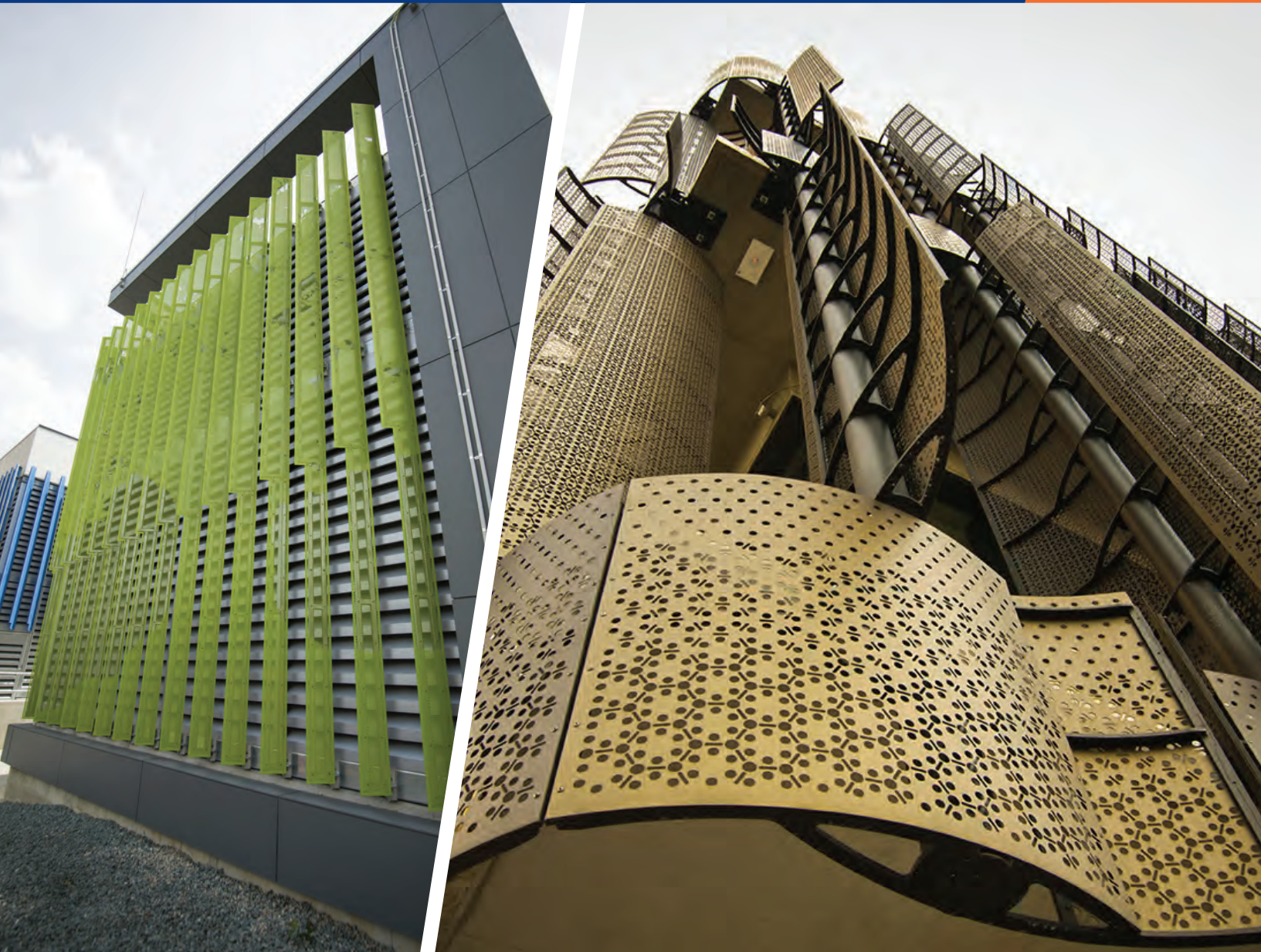




By utilising innovative technology, detailed imagery can be imprinted onto metal through different sized punched holes, offering added value to building exteriors with striking effectiveness.

- 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