LYSAGHT

AZURE®

FAÇADE SYSTEM



INSPIRATION TO BUILD BETTER

INTRODUCING AZURE®

ENGINEERED PRECISION. ARCHITECTURAL FREEDOM.

Known for its sleek aesthetic, AZURE® is a premium engineered steel rainscreen panel system developed to deliver clean, sharp lines with exceptional accuracy. AZURE® is well suited to covering large surface areas where alignment and colour create a bold design statement.

AZURE®. The precision-made steel façade panel.

AZURE® brings together architectural freedom, engineered precision and whole-of-system support to create distinctive, large-format façades with confidence.

When used as part of a complete walling system, AZURE® façade panels offer robust performance and complete design flexibility. This provides architects, developers, specifiers and builders with the perfect whole-of-system value solution for their projects, reducing labour and access costs.

With AZURE®, you can create stunning, high-end designs with large, flat, block-effect wall sections that are accented by bold vertical and horizontal lines. These accents are delivered by the generous, recessed depths and shadows of this premium steel walling system.

With its ability to be used wherever non-combustible materials are required by the NCC[1], ease of installation, and minimal ongoing maintenance requirements, AZURE® is the perfect choice for a wide range of buildings.

Bring your vision to life and create a lasting impression with AZURE®.



THE AZURE® SYSTEM ADVANTAGE

AZURE® is Lysaght's premium engineered façade system for ventilated rainscreen walling applications, delivering all the benefits of this proven approach to walling. With the external-facing AZURE® façade panel separated from an internal structural wall by supporting battens, the resulting cavity allows for drainage and evaporation of any moisture from either rainwater ingress or condensation from within the building. This not only enhances a building's weather-tightness but can also improve its overall thermal performance.

BENEFITS AT EVERY STAGE









DESIGN FREEDOM

- Large-format, flat-panel aesthetic
- Crisp horizontal and vertical alignment
- Portrait or landscape panel configurations
- Deep recesses and defined shadow lines
- Custom detailing to support individual design intent
- Contemporary COLORBOND® steel colour palette
- Also available in aluminium and REDCOR® weathering steel to suit individual project requirements

ENGINEERED PRECISION

- Project-specific panel design and manufacture
- Highly accurate robotic panel fabrication
- Pre-punched fixing locations for consistent alignment
- Customisable panel sizes and configurations
- Coordinated panel, joint, corner and flashing details
- Design and technical support from Lysaght

BUILDABILITY

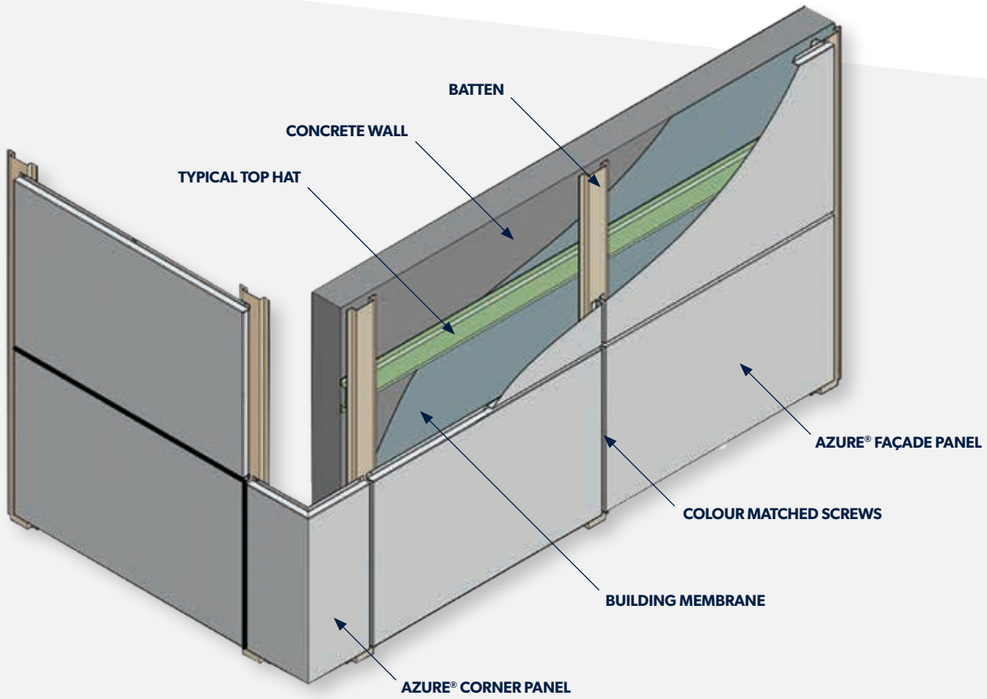
- Factory-manufactured panels supplied ready to install
- Reduced requirement for on-site cutting and fabrication
- Open-joint or face-sealed configurations, subject to project design
- Lightweight panels for easier handling
- Reduced site waste, rework and clean-up
- Potential labour and access efficiencies on suitable projects

LONG-TERM VALUE

- Durable steel façade solution
- Ventilated rainscreen approach supporting moisture management
- Minimal routine maintenance requirements
- Available in 100% Australian-made COLORBOND® steel from BlueScope
- Strong project support from specification through delivery
- Suitable for a broad range of commercial, institutional, infrastructure and multi-residential applications

AZURE®
FAÇADE PANELS

AZURE® facade panels are manufactured from 100% Australian-made COLORBOND® steel from BlueScope, and custom-designed to suit the individual requirements of every project. They are then precision engineered and manufactured to ensure exceptional long-term durability and performance.



DESIGNED TO SUPPORT COMPLIANCE REQUIREMENTS

- May be used wherever non-combustible materials are required by the NCC[1]
- Has been verified by testing in accordance to AS 4040.2:1992 (incorporating Amendment No. 1) to cater to the non-cyclonic wind pressure requirements specified in AS 1170.2:2021
- Panels manufactured with a 1.2mm metallic coated steel substrate in accordance to AS 1397
- Utilises pre-painted steel paint technology satisfying the performance requirements of AS/NZS 2728
- Complies with the requirements of AS 1562.1:2018 Design and installation of sheet roof and wall cladding - Part 1: Metal
- Tested in accordance with AS/NZ 4284:2008 Testing of building façades



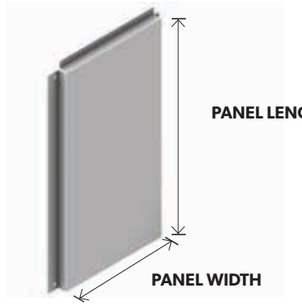
YOUR VISION, YOUR CHOICE

The AZURE® 100 Panels feature an overlapping panel design for easy and precise installation. They are available in a variety of sizes to ensure maximum façade design versatility, whatever your specification.

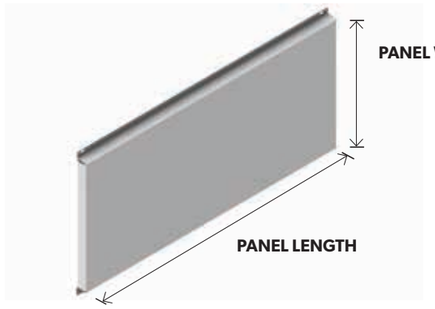
AZURE® façade panels can be used as the key component in a pressure equalised walling system which has outstanding performance and delivers ongoing maintenance and durability benefits.

They can also be enhanced by custom designed elements such as flashings, round columns, internal and external corners as well as window and door trims.

AZURE® 100 PORTRAIT PANEL



AZURE® 100 LANDSCAPE PANEL





Custom panel sizes may be fabricated for projects, subject to sheet coil and panel manufacturing capabilities.
A range of panel face dimensions are available based on the following general limitations:

	PANEL WIDTH	PANEL LENGTH	PANEL DEPTH	JOINT WIDTH
Minimum size	250mm	450mm	25mm	17mm
Optimum sizes	**485mm, 1050mm**	**1000mm – 2900mm**		
Maximum size	1050mm	4000mm*		

**Panel lengths over 3000mm are available subject to enquiry only*

MAXIMUM PANEL/BATTEN FIXING CENTRES

(based on one fixing per intermediate batten)

	ULS DESIGN WIND LOAD (kPa)				
AZURE® Façade Panel Width	1.0	2.0	3.0	4.0	5.0
	Panel Fastener Spacing (mm) max.				
400	600	600	600	480	385
600	600	600	425	320	250
800	600	480	320	240	190
1000	600	385	250	190	150
1200	600	320	210	160	125

Notes:

1. All battens are minimum 1.15mm BMT G250 substrate.
2. All battens are to be installed vertically onto the wall structure.
3. All battens are to be installed to provide a level fixing plane for the panel installation.
4. Battens are screw fastened through both flanges at every fixing centre.
5. Maximum cantilever at the end of the batten is limited to 150mm.
6. Wind loads are Ultimate (Strength) Limit State.
7. Tables are determined from uniform lateral wind pressure. Consult the project engineer for project-specific concentrated loads.
8. Interpolation for intermediate values may be applied subject to engineering judgment. It is preferred for intermediate situations adopt the more conservative approach for batten spacing and batten fixing centres.
9. Limited to 0.77kN per fixing.
10. AS/NZS 4284 test was completed to ULS +/-2.6kPa.
11. Battens may not be required for all applications. Requirements should be confirmed based on the specific project and installation conditions.

MAXIMUM SUPPORT BATTEN FIXING CENTRES

	SUPPORT BATTEN CENTRES				
Top Hat Spacing (mm)	ULS Wind Load				
	1	2	3	4	5
400	1000	1000	1000	1000	925
600	1000	1000	975	900	825
800	1000	1000	875	800	750
1000	1000	950	825	750	700
1200	1000	875	775	700	650

Notes:

1. Tables determined from Rondo H525 1.15mm BMT G250. Consult project engineer for alternate batten dimensions
2. Support batten fixing to be determined by project engineer depending on the project-specific substrate.
3. AS/NZS 4284 test was completed to ULS +/-2.6kPa

AZURE® 100

- ☑ Ideal for remedial or recladding work
- ☑ May be installed in a portrait/vertical or landscape/horizontal orientation
- ☑ May be installed with either open/ventilated or sealed panel joints

ADORNED WITH AZURE®

BRINGING YOUR BUILDING DESIGN TO LIFE

The combination of panel flatness, depth, shadow lines and detailed accuracy allows AZURE® façade panels to bring stunning building designs to life.



Trinity College

School

Location: Adelaide, SA
Architect: Swanbury Penglase
Product: AZURE® 100
Material: COLORBOND® steel



50 Norwest

Commercial Office Building

Location: Sydney, NSW
Client: Cencorp Investments Pty Ltd
Architect: Leffler Simes Architects
Product: AZURE® 100
Material: COLORBOND® steel



Armadale Line Upgrade

Commercial Rail Stations

Location: Perth, WA
Client: Public Transport Authority of WA (METRONET)
Architect: Hassell
Product: AZURE® 100
Material: COLORBOND® steel



MAINair HQ

Commercial Office Building

Location: Adelaide, SA
Client: MAINair
Product: AZURE® 100
Material: COLORBOND® steel



Scan the QR code for detailed product information, manuals and project case studies visit **lysaght.com**

LYSAGHT.COM

FOR SALES ENQUIRIES CALL 13 30 38
FOR TECHNICAL ENQUIRIES CALL 1800 641 417

1. The information in this brochure is of a general nature. It is the responsibility of the relevant project professionals to ensure project designs and installation meet NCC requirements.

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