

# BUILD ON INSPIRATION.

DESIGN IN STEEL

# LYSAGHT

## 2020 EDITION

Featuring winners of the  
2019 Lysaght Inspirations Design Awards

Colorbond®





# THE ART OF STEEL

Since its earliest incarnations, steel has allowed us to bring into being the previously unimaginable.

From strong weapons that shaped mighty empires, to durable implements that conquered the land, to wondrous metallic bones that let us build boldly and scrape the sky with towering structures, steel has given us the strength to achieve the extraordinary.

A glistening thread woven into the very fabric of life, steel has spanned the ages, profoundly shaping the architecture of yesteryear and now inspiring the architecture of tomorrow through its ability to form sweeping curves and dramatic planes with greater versatility than any other material.

At Lysaght, we have harnessed the strength of steel to produce an array of stylish roofing and walling profiles, supported by a host of ancillary products and available in an ever-increasing colour palette, which are designed to give form to an architect's imagination and breathe life into their creative vision.

And because they have been manufactured from Australian COLORBOND® and ZINCALUME® steel, are extensively performance-tested and come with a BlueScope warranty, good looks are only one of their many strengths.

Throughout this compendium, you will find countless examples of inspired designs where LYSAGHT® steel products have been specified for their exceptional aesthetic and performance properties. We hope you find this to be a valuable resource and inspiration for your projects now and into the future.

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# COMMERCIAL INSPIRATIONS

With a wide selection of roofing and walling profiles which each convey a unique visual character and display exceptional performance qualities, LYSAGHT® cladding is often specified as a key element in commercial architectural design. The ability of our profiles to play this important role in inspiring and delivering on an architect's design vision is enhanced by the vibrant colour palette available through the LYSAGHT YOURCOLOUR® custom colour offer.



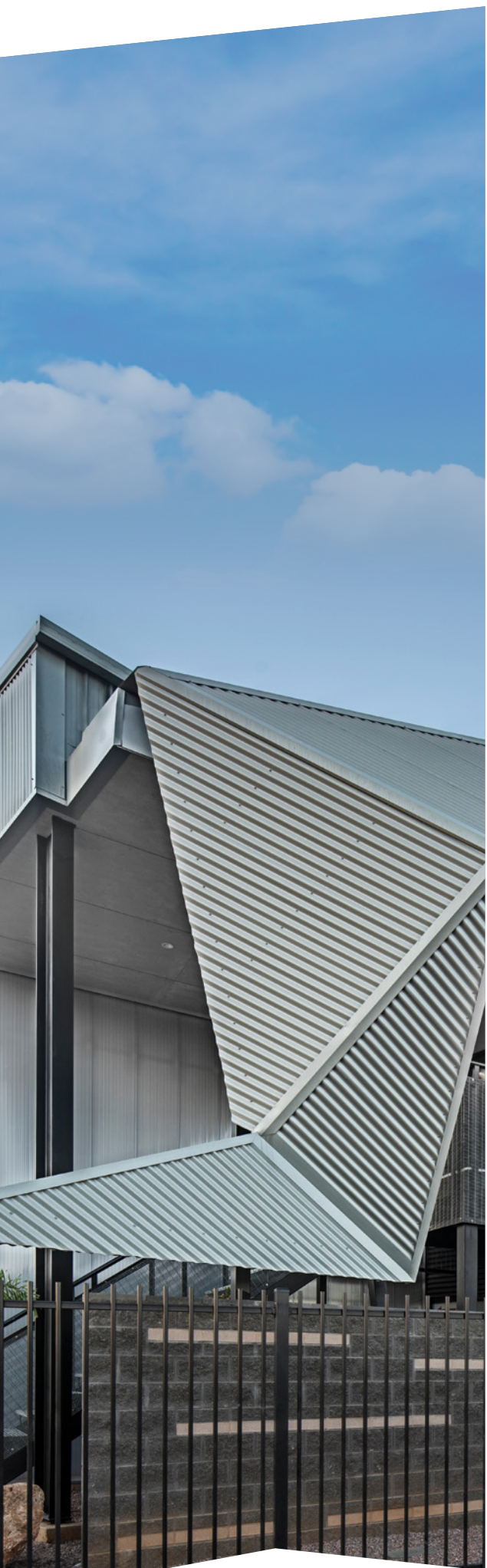
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# RESIDENTIAL INSPIRATIONS

Across the nation and across the exciting spectrum of residential architecture now being seen, the aesthetics, performance and versatility of LYSAGHT® steel roofing and walling profiles are proving invaluable in inspiring and giving form to exceptional designs. Whether your design is contemporary or traditional in nature, the extensive array of LYSAGHT® steel profiles, in a myriad of colours, offers you endless possibilities in bringing that design to life.



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**2019  
INSPIRATIONS  
DESIGN  
AWARDS**

# WINNERS GALLERY

**OVERALL/COMMERCIAL AND  
INDUSTRIAL WINNER**

## PENRITH ANGLICAN COLLEGE

**Designed by Terroir**

**W:** [terroir.com.au](http://terroir.com.au)

Established in 1998, the college recently embarked on a broad transformation project intended to make visible and strengthen its pedagogic approaches. The first element of these changes involved the addition of a new state-of-the-art Performing Arts Centre.

Designed by Terroir, the new facility features a dance studio, drama rooms, recital space and lecture hall, as well as music rehearsal studios and a recording studio.

Here, the long straight lines of LYSAGHT KLIP-LOK 700 HI-STRENGTH® roofing are key. Crisp and clean, they are uninterrupted by piercings or connections and therefore open up the roof's geometric possibilities. They make the structure's defining features – its folded planes and 'wing' that goes tantalisingly close to, but never touches the ground – possible.



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## RESIDENTIAL WINNER WHITE GUM RISE

Designed by Honed Architecture + Design  
W: [honedarchitecture.com](http://honedarchitecture.com)

Open and exposed to the fierce north westerly weather events that locals have come to know well, White Gum Rise is surrounded by tranquil bushland. More than a monolithic structure on a scenic Tasmanian mountainside, it represents an architectural response to the traditional rural homestead.

Considering the setting and understanding that the materials used in the homestead would need to be able to withstand some harsh conditions across all the seasons, the architects specified LYSAGHT TRIMDEK® cladding in COLORBOND® steel Monument® on the roof as well as much of the external walling.



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## BUILDING FEATURING ZENITH™ CLADDING WINNER L-HOUSE

Designed by Alexander Symes Architect  
W: [alexandersymes.com.au](http://alexandersymes.com.au)

Following several cold winters, the young owners of a partially completed project home that had stood unchanged on the eastern spur of Linden in the lower Blue Mountains since 2003, decided it was time to renovate. 'L House' features a north-eastern pavilion for the parents, flowing to a new central family pavilion and then onto the existing east-west pavilion, which now houses the children's area, an office and ancillary spaces.

The most striking exterior feature of the house is LYSAGHT LONGLINE 305® cladding, which features on both the walls and the roof. Indeed, given its window-to-wall ratio (particularly on its western side), L House could be described as a celebration of ZINCALUME® steel.







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## HERITAGE AND RESTORATION WINNER HUT 37

Designed by Ajar Architects  
W: ajar.net.au

Originally developed in the 1940's Sidney Williams Hut (or 'Comet' brand hut), were mass-produced, multi-purpose, flat-packed buildings erected to shelter military units.

More than 70 years later, Hut 37 stood as one of the last examples of these buildings, an important reminder of our history. With the building decaying behind a façade of overgrowing weeds, a plan was hatched to restore it and repurpose it as office space and an interpretive centre.

Honouring this ingenuity, the architect chose 'effortless simplicity' as a design goal. By the time of the restoration the standard of the steel frame was poor. It was restored and upgraded to improve cyclonic resistance and LYSAGHT CUSTOM ORB® cladding was chosen to replace the original exterior material. Specified in double layers and carefully crafted into 'sandwich panels', the cladding successfully returns Hut 37 to its former glory.



## STUDENT WINNER JADEN M

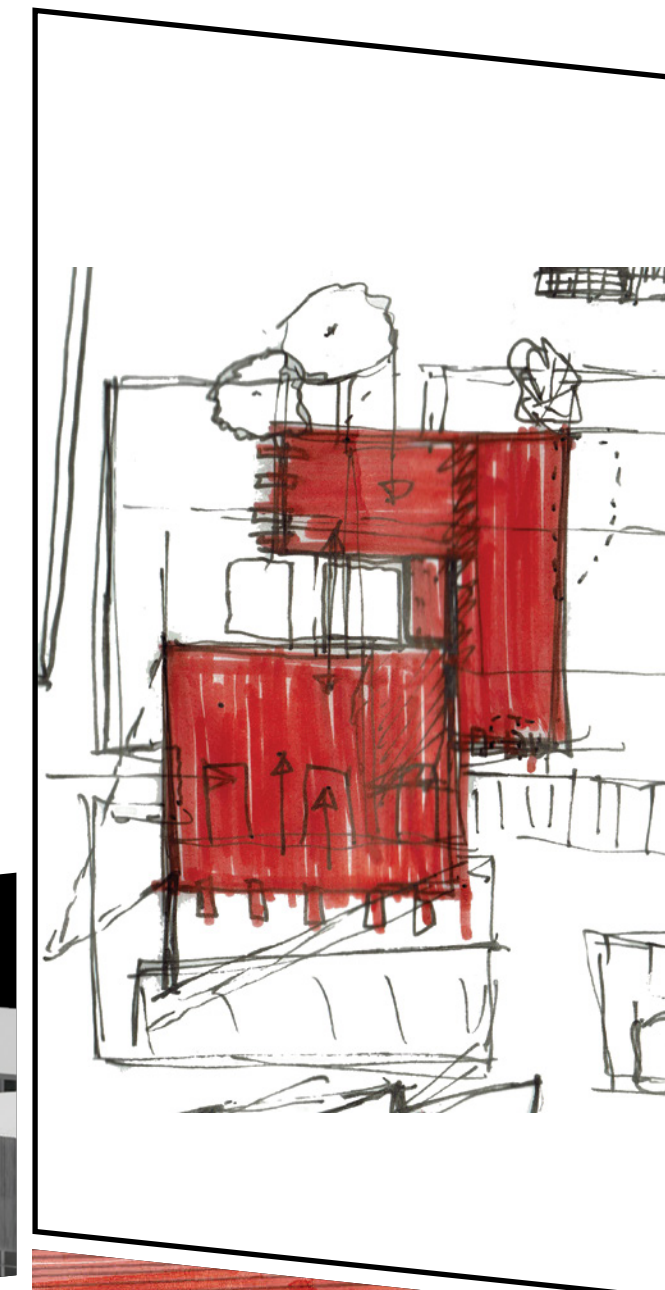
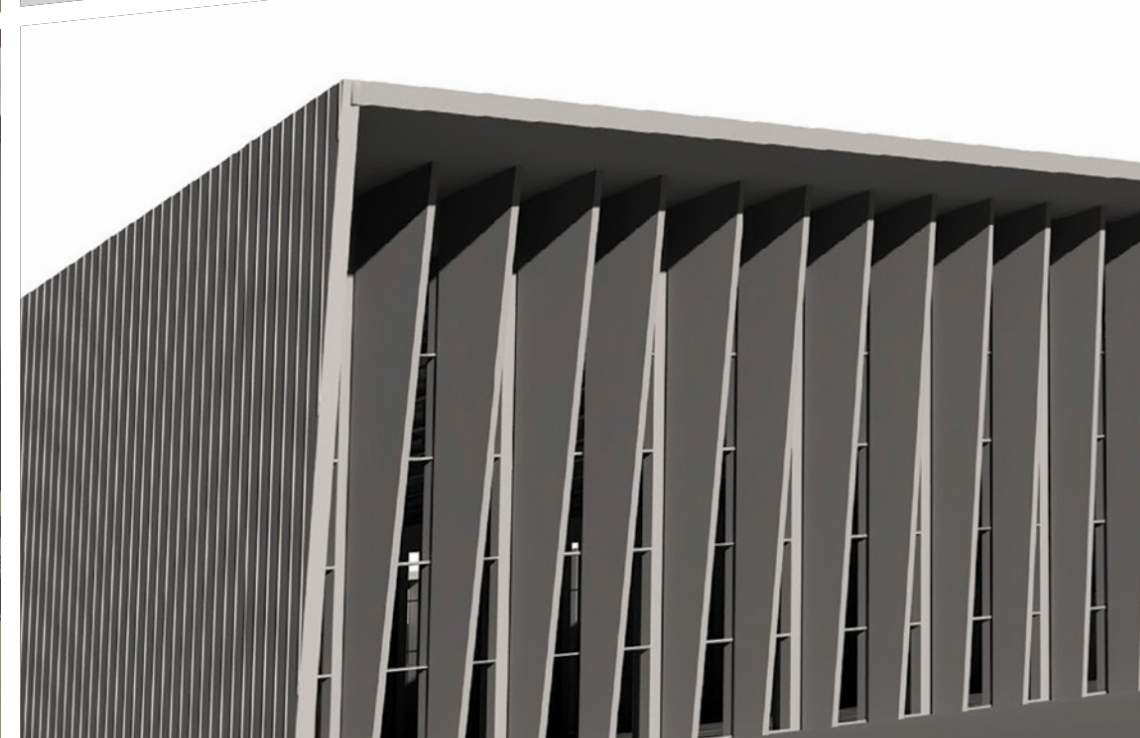
from Deakin University

This design concept, for a facility to house the Lysaght Product Innovation Group, drew on the familiar Australian rural shed vernacular.

Dubbed the 'Tin Shed,' the design draws on and reflects Lysaght's standing as a steel building product manufacturer with over 150 years of experience in this country.

The incorporation of LYSAGHT® steel building products into the concept was key.

Gently rising and falling across an expansive roof, the LYSAGHT KLIP-LOK 700 HI-STRENGTH® with its concealed fixes and bold ribs is a clear statement of the product's capabilities, while LYSAGHT ZENITH™ wall cladding subtly explores its vertical possibilities when used in combination with other materials.







# 2019 LYSAGHT INSPIRATIONS DESIGN AWARDS HIGHLY COMMENDED

## RESIDENTIAL: BINARY HOUSE

Designed by Christopher Polly Architect  
W: christopherpolly.com

### Product:

- LYSAGHT CUSTOM ORB®

## RESIDENTIAL: HOUSE IN SILHOUETTE

Designed by Atelier Red + Black  
W: redblackarch.com.au

### Product:

- LYSAGHT CUSTOM ORB®
- LYSAGHT TRIMDEK®

## BUILDING FEATURING ZENITH™ CLADDING: LATIMORE LUXURY CAR GARAGE

Designed by DCM Building Design  
W: dcmbuildingdesign.com.au

### Product:

- LYSAGHT ENSEAM®
- LYSAGHT TRIMDEK®

## BUILDING FEATURING ZENITH™ CLADDING: LAKEHAVEN RESIDENCE

Designed by DCM Building Design  
W: sewelldesign.com.au

### Product:

- LYSAGHT LONGLINE 305®
- LYSAGHT QUAD Gutter
- LYSAGHT TRIMDEK®
- LYSAGHT TOPSPAN® 40
- LYSAGHT NOVALINE® Fascia System

## HERITAGE AND RESTORATION: YANDINA STATION

Designed by Benco Constructions  
W: bencoconstructions.com.au

### Product:

- LYSAGHT COLONIAL® Gutter
- LYSAGHT QUAD Gutter
- LYSAGHT CUSTOM ORB®
- LYSAGHT Zed & Cee Purlins and Girts
- LYSAGHT Flashings
- LYSAGHT MINI ORB®

## HERITAGE AND RESTORATION: GRANT HOUSE

Designed by Austin Maynard Architects  
W: maynardarchitects.com

### Product:

- LYSAGHT CUSTOM BLUE ORB®

## COMMERCIAL AND INDUSTRIAL: PETER MATHIESON PAVILION

Designed by CO-OP Studio  
W: co-opstudio.com.au

### Product:

- LYSAGHT LONGLINE 305®

## COMMERCIAL AND INDUSTRIAL: MT MARIA COLLEGE

Designed by Fulton Trotter Architects  
W: fultontrotter.com.au

### Product:

- LYSAGHT LONGLINE 305®
- LYSAGHT PANELRIB®
- LYSAGHT SPANDEK®





# CUSTOM ORB®

## CUSTOM BLUE ORB® AND WALLCLAD®

Delivering a pleasingly textured visual with its uniform 'ripple', this is the famous and original LYSAGHT® corrugated profile which others can only imitate. A long, wide, strong, lightweight and economical profile, LYSAGHT CUSTOM ORB® cladding offers the versatility of being laid flat or spring curved and is equally at ease in both traditional and contemporary architecture.

LYSAGHT CUSTOM BLUE ORB® is the corrugated profile perfect for curving, it is the perfect match to harmonise with LYSAGHT CUSTOM ORB®.

In walling applications LYSAGHT WALLCLAD® corrugated cladding complement both modern and traditional building styles.



\*CUSTOM BLUE ORB® 17mm



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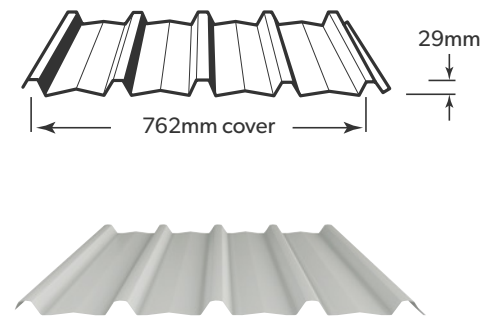




# TRIMDEK®

A popular and versatile cladding featuring bold, trapezoidal ribs and subtle fluting in the pans, this profile provides any project with a clean, elegant finish and is available in long lengths, allowing one sheet to span from ridge to gutter without end laps on most applications. Made of rigid high strength steel yet remarkably light, LYSAGHT TRIMDEK® roofing provides excellent spanning capacity and remarkable recovery after deformation.

TRIMDEK® roofing is also suitable for long length roofing applications using the innovative TRIM-KLIP® system.



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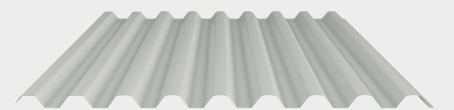
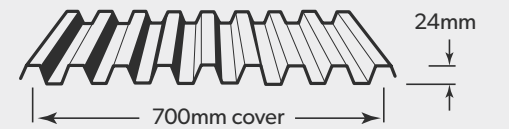


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# SPANDEK®

The contemporary-looking, square-corrugated profile of LYSAGHT SPANDEK® cladding is ideal where a stronger, bolder and more modern corrugated appearance is required. Combining strength with lightness and rigidity, this popular cladding delivers durability, impact-resistance and economy with richly textured good looks.



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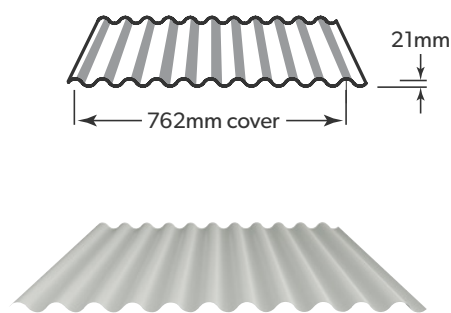




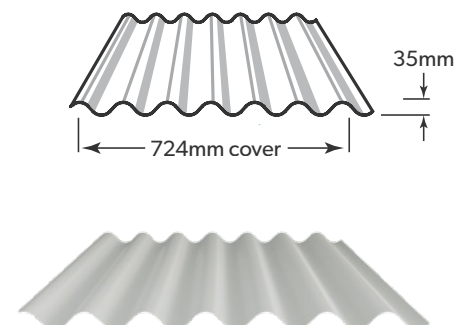
# CUSTOM ORB ACCENT®

The beloved corrugated LYSAGHT CUSTOM ORB® cladding takes on new dimensions in the more deeply corrugated LYSAGHT CUSTOM ORB ACCENT® cladding profiles. CUSTOM ORB ACCENT® 21 is a mid-depth corrugated cladding offering a stronger corrugated visual, while CUSTOM ORB ACCENT® 35 is a striking cladding with corrugations 120% deeper and 50% wider than traditional corrugated profiles. Both provide improved resistance to damage and greater spanning capacity.

## CUSTOM ORB ACCENT® 21



## CUSTOM ORB ACCENT® 35



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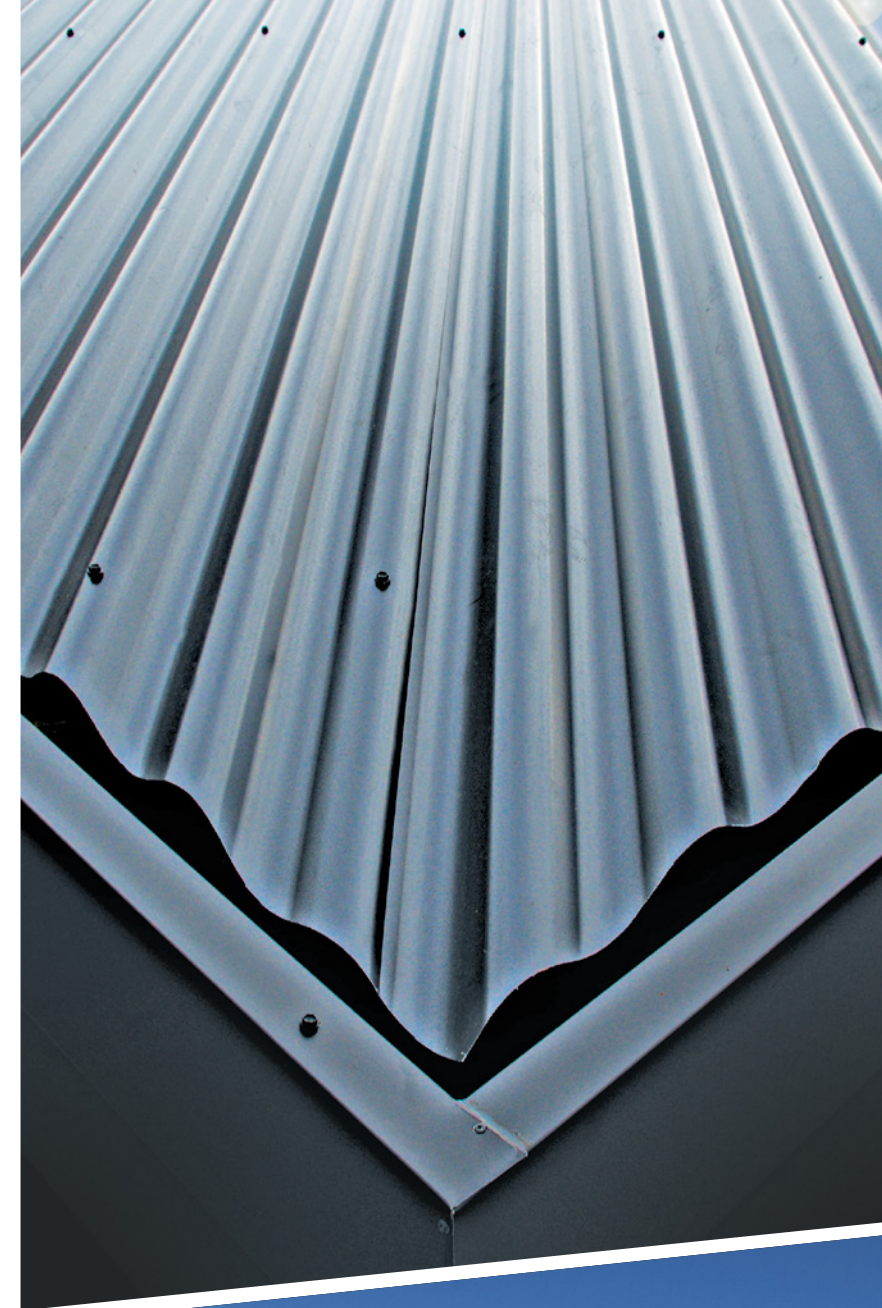
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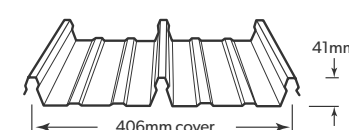


# KLIP-LOK®

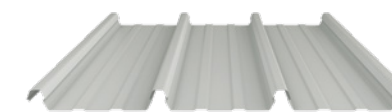
LYSAGHT KLIP-LOK® cladding has long been a design favourite for prestige commercial, industrial and architectural projects. Featuring a substantial, bold rib rising from wide, fluted pans, this cladding creates a dynamic linear visual and uses a concealed fixing system for uninterrupted lines and superb watertightness. The LYSAGHT KLIP-LOK® range offers three profiles: KLIP-LOK® 406 and KLIP-LOK CLASSIC® 700 featuring longitudinal fluting and KLIP-LOK 700 HI-STRENGTH® featuring transverse fluting\* and ideal for spring curving.

KLIP-LOK® roofing is also suitable for long length roofing applications using either the innovative LOK-KLIP® system or Lysaght's mobile rollformer capability.

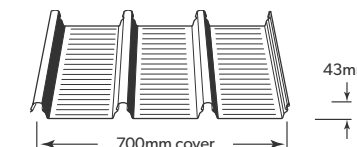
KLIP-LOK® 406



KLIP-LOK CLASSIC® 700



KLIP-LOK 700 HI-STRENGTH®



\*KLIP-LOK 700 HI-STRENGTH® with longitudinal fluting available in some regions.



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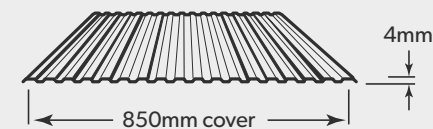






# PANELRIB®

A subtle, fluted profile with a gentle, regular rib, LYSAGHT PANELRIB® wall cladding is easily fixed and ideal for interior and exterior walling applications or as a feature. Sheets can be run vertically or horizontally and can be used flat or curved, with the longitudinal flutes providing rigidity along the length of the sheet while retaining full flexibility across the width.



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# MULTICLAD®

An attractive profile featuring a pleasing trapezoidal rib and longitudinal fluting in the pans, LYSAGHT MULTICLAD® wall cladding can be used with ribs running vertically or horizontally and is extremely versatile and particularly suitable when an inexpensive, lightweight and quick-to-install cladding is required.



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## MINI ORB®

With delightful mini-corrugations that make a dramatic visual impact, MINI ORB® wall cladding is suitable for interior and exterior applications and is a perfect complement to other LYSAGHT® roof and wall claddings when used as an accent feature. This profile is suitable for flat and curved installations, with ribs running vertically or horizontally, and is ideal for decorative walls and ceilings.



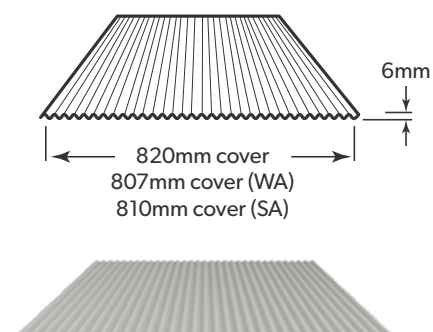
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# ZENITH™ RANGE

**LYSAGHT ZENITH™ ARCHITECTURAL PROFILES. A TOUCH OF EUROPE FROM AUSTRALIA'S TRUSTED EXPERIENCE IN STEEL.**

LYSAGHT® steel cladding has long been a valuable design resource for Australian architects, providing aesthetically appealing and versatile facades that add exciting visual dimensions to their designs.

In the ZENITH™ cladding range, that design value has reached new heights with profiles that deliver bolder aesthetics than seen before, paired with the exceptional performance you have come to know and expect from LYSAGHT® steel products.

The premium LYSAGHT ZENITH™ range comprises five inspirational profiles:

- LYSAGHT LONGLINE®
- LYSAGHT DOMINION®
- LYSAGHT IMPERIAL™
- LYSAGHT BAROQUE®
- LYSAGHT ENSEAM®
- LYSAGHT SNAPSEAM®



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# LONGLINE 305®

Extremely popular among architects, this striking cladding features slender, high ribs and broad, flat pans that make a dramatic statement on any structure. Using a concealed fixing system to maintain its clean lines LYSAGHT LONGLINE 305® cladding is available with plain or fluted pans and can also be tapered for a fan-like effect where curvilinear roofs require a tailored cladding solution.

LONGLINE 305® WA supplied in WA.



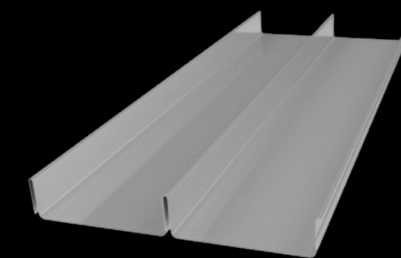
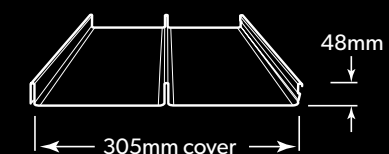
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# BAROQUE®

A heritage-inspired profile, LYSAGHT BAROQUE® features wide, flat pans defined by generous semi-circular ribs. At once delivering a strong linear visual which is gentled by the unusual, rounded rib-form, this profile offers a most unique visual character which sits easily with both traditional and contemporary architecture.



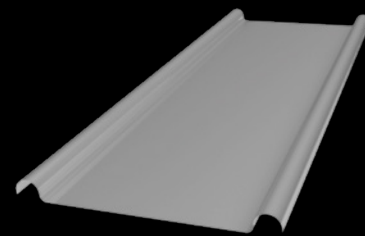
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# IMPERIAL™

The sky is truly the limit with LYSAGHT IMPERIAL™. Featuring broad, flat pans and slender, well-defined ribs, this cleanly elegant cladding complements virtually any architectural design. Combine those good looks with a curving capacity not readily achieved in all cladding, and you have the ultimate profile for style and versatility.



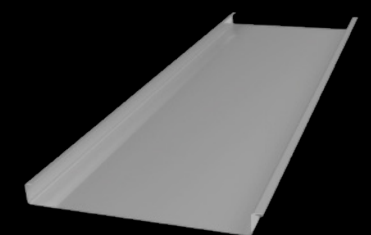
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# ENSEAM®

Broad flat pans and a lower, yet substantial rib combine to form yet another distinct visual dynamic in LYSAGHT ENSEAM® cladding. While possessing clean and striking good looks, this profile also has an easy style that makes it a very versatile cladding solution for contemporary architectural designs.



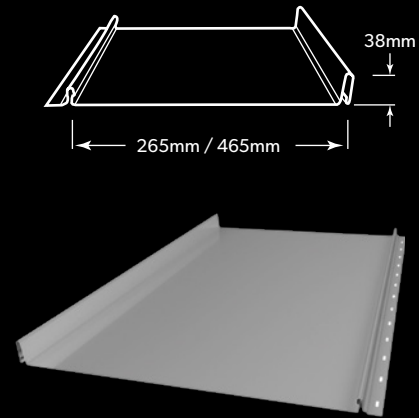
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# SNAPSEAM®

With the broad, flat pans and distinctive ribs of our original LYSAGHT ENSEAM® profile, LYSAGHT SNAPSEAM® offers greater design flexibility utilising longer lengths and greater spanning capacity thanks to its clever concealed-fix clips. These specially designed clips provide greater fixing security while also allowing for enhanced thermal expansion and contraction to cope with a range of climatic conditions.



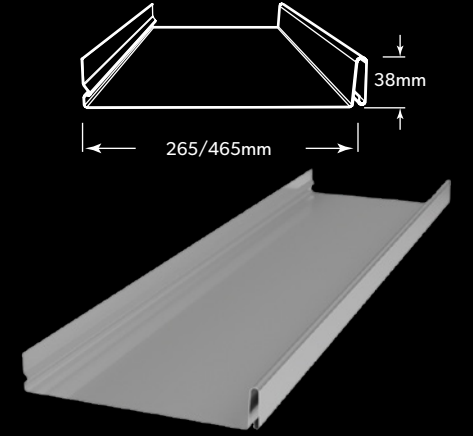
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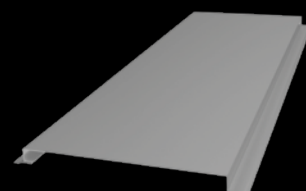






# DOMINION®

Whether used in long lengths running vertically or horizontally on a structure, or in shorter lengths to create a 'block-like' effect, LYSAGHT DOMINION® makes a strong and extremely stylish statement. With raised panels and recessed, 'express' joins, this profile conveys a sleek, contemporary character with a pleasing detail created by the shadowed 'channels'.



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# PERMALITE®

## LONG-TERM PERFORMANCE

PERMALITE® aluminium cladding profiles, purlins, gutters, fascias and flashings are produced using high performance, marine grade aluminium, an alloy specifically developed to resist corrosion in marine and industrial environments.

Select from four stylish profiles:

### PERMALITE V-RIB®:

This profile provides a wide 915mm cover and a pleasing symmetry which makes it aesthetically appealing for both roof and wall cladding.

### PERMALITE LT7®:

With its strength, water carrying capacity, fixing economy and eave closing features, this is versatile cladding at its best. Available in 0.7mm, 0.9mm and 1.2mm thicknesses, it can also be reversed to create a bold wall cladding design.

### PERMALITE ALSPAN®:

Available in 0.7mm, 0.9mm and 1.2mm thicknesses and featuring visually distinctive ribs and wide pans, this profile was designed specifically to provide a wide spanning capability, higher water carrying capacity and accommodate construction and maintenance foot traffic.

### PERMALITE WAVELINE®:

Quick to install and producing minimum wastage, this classic Australian corrugated profile also offers proven style and versatility as both roof and wall cladding in contemporary and traditional building designs.



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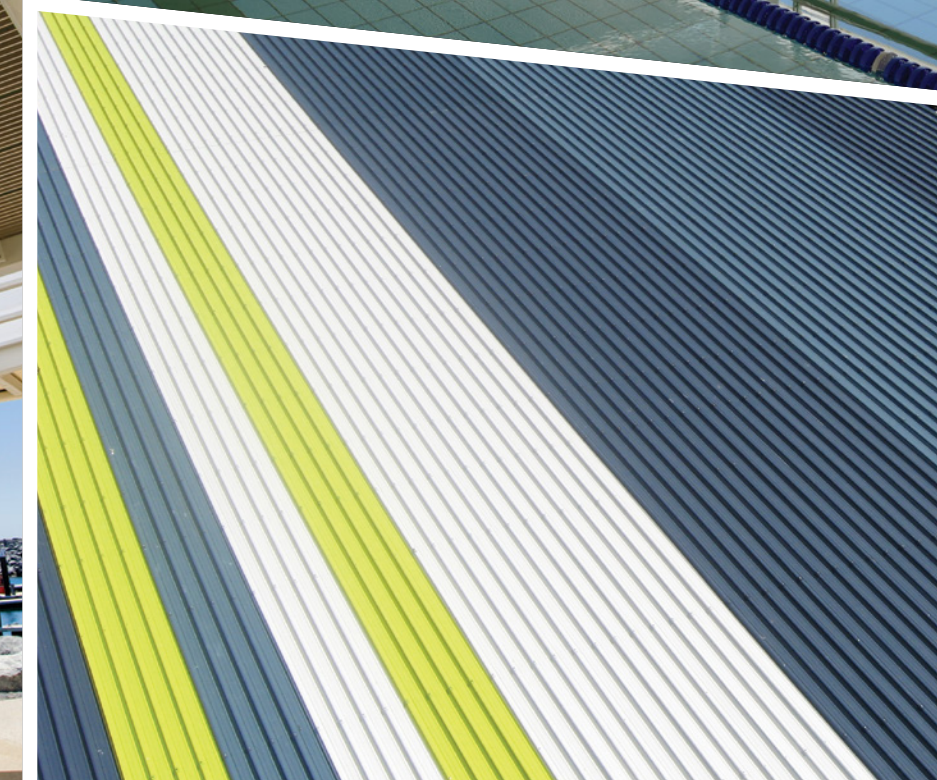
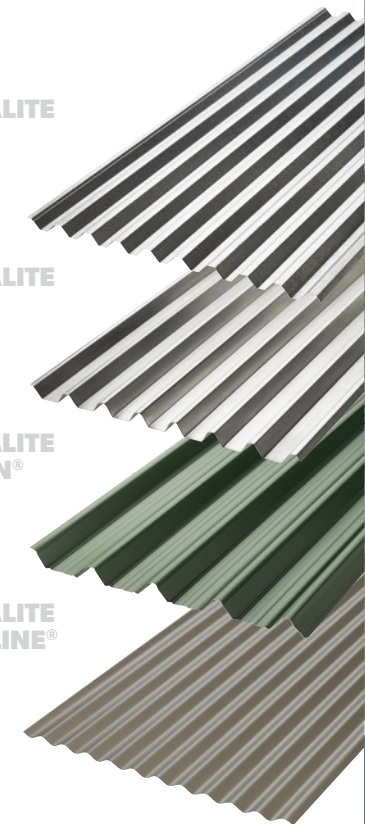
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PERMALITE  
V-RIB®

PERMALITE  
LT7®

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WAVELINE®





# YOURCOLOUR® CUSTOM COLOURS

Considering the design flexibility afforded by LYSAGHT® steel cladding, we thought it's only fitting to offer a colour palette that also won't limit your design vision. With the LYSAGHT YOURCOLOUR® custom colour offer you can bring your design inspiration to life with an almost limitless colour range. Bring a sample of your desired colour and our YOURCOLOUR® colour matching service will produce almost any colour, including metallic finishes.



For technical specifications,  
manuals and product case studies  
**WWW.LYSAGHT.COM**



For summary product & material  
specifications see pages 55 - 61  
**QUICK REFERENCE GUIDE**



For product availability  
summary see page 62  
**AVAILABILITY GUIDE**



LYSAGHT. BUILD ON.





COLOUR YOUR WORLD, YOUR WAY,  
WITH THE COLORBOND® STEEL

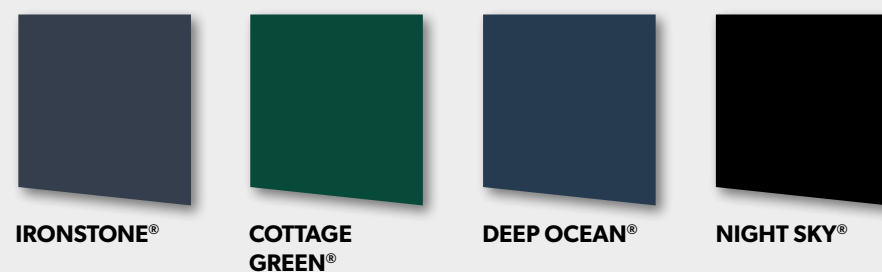
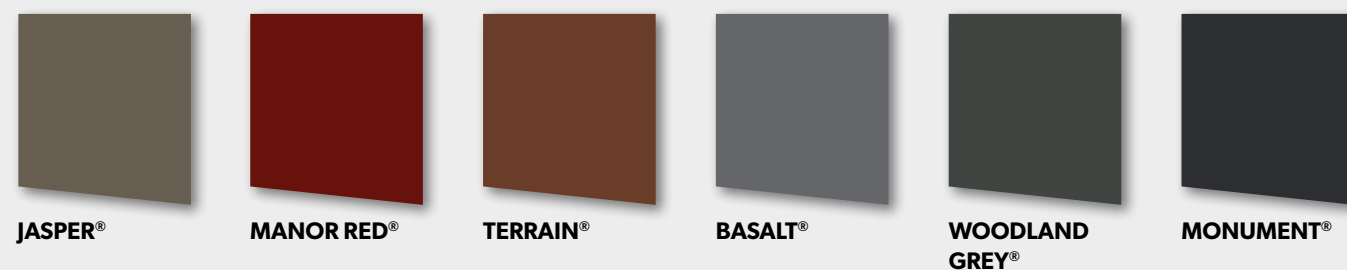
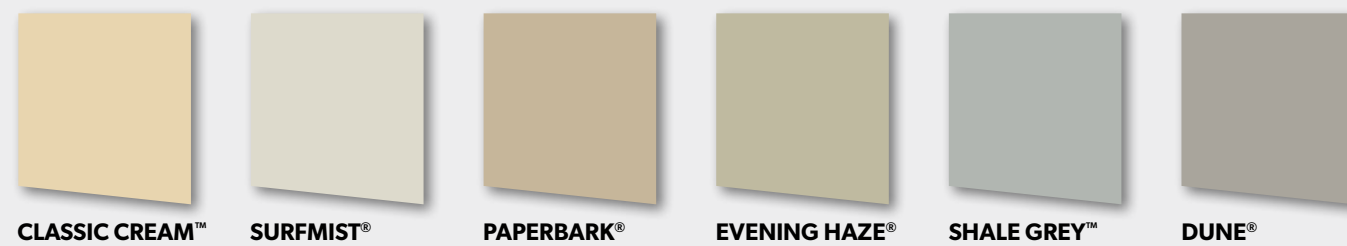
# COLOUR RANGE

LYSAGHT® roofing and walling can be manufactured from a wide range\* of COLORBOND® steel colours and finishes so you can choose the exact look that sets the tone for your whole home or complements your other building material choices.

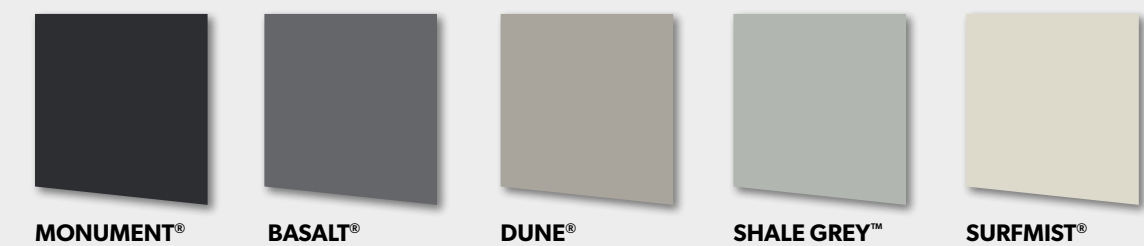
You can also mix and match these colours when you choose gutters, fascia and downpipes made from COLORBOND® steel, to create a unique and very individual style.

Whether you prefer colours that are subtle or bold, light or dark, cool or warm, you'll find the perfect colour for your home in COLORBOND® steel.

## COLORBOND® STEEL STANDARD COLOUR RANGE



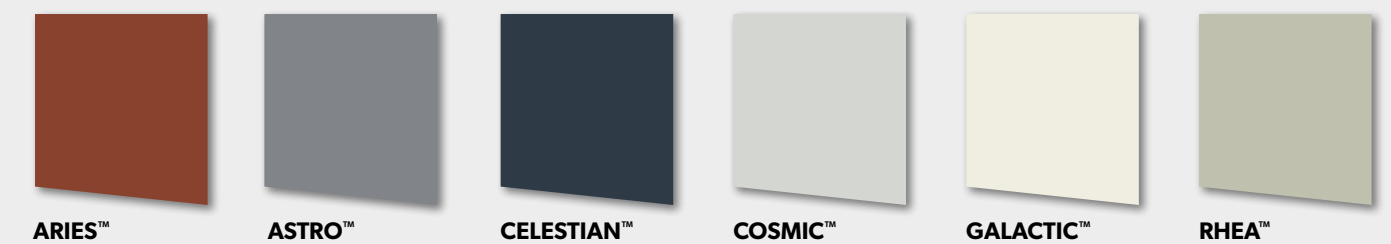
## COLORBOND® STEEL MATT COLOUR RANGE



## COLORBOND® ULTRA STEEL COLOUR RANGE

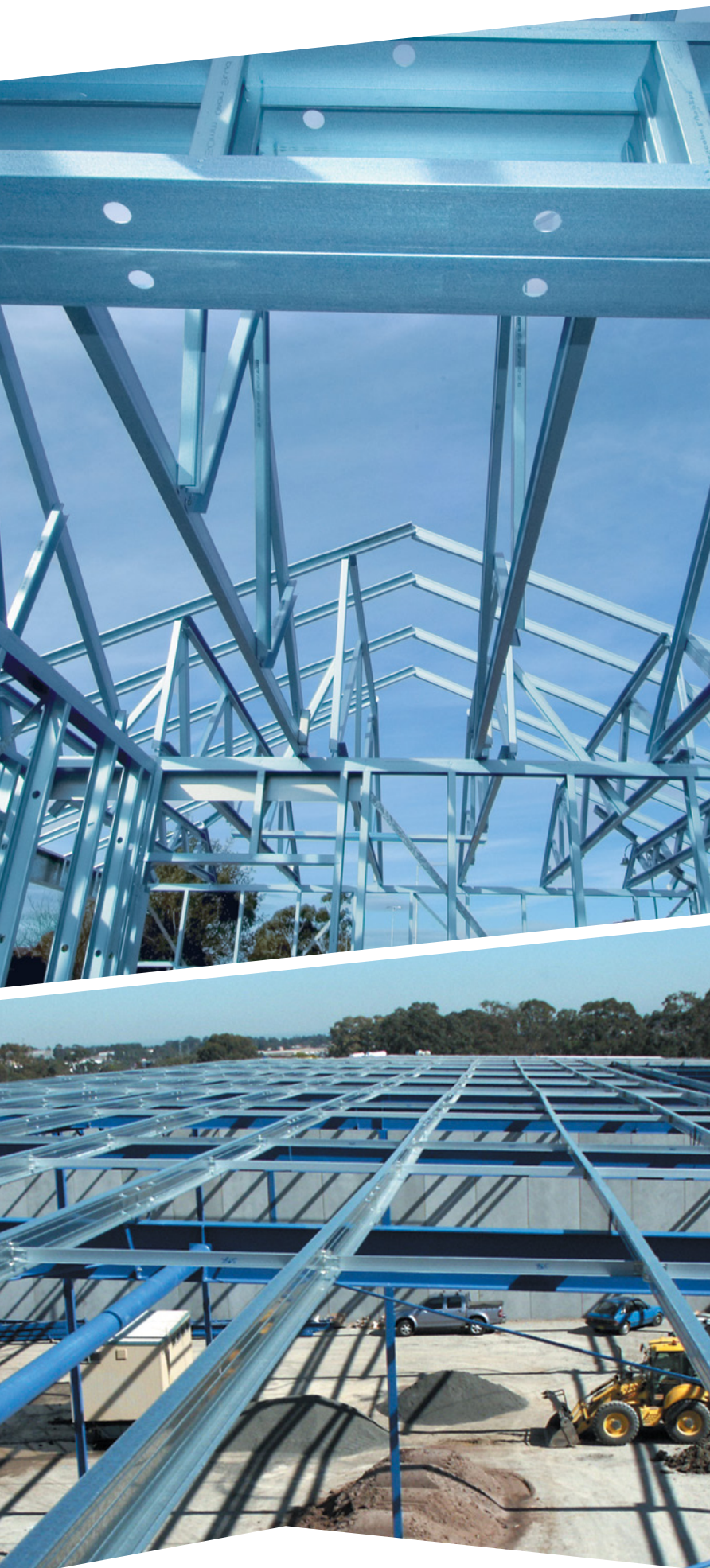


## COLORBOND® METALLIC STEEL COLOUR RANGE

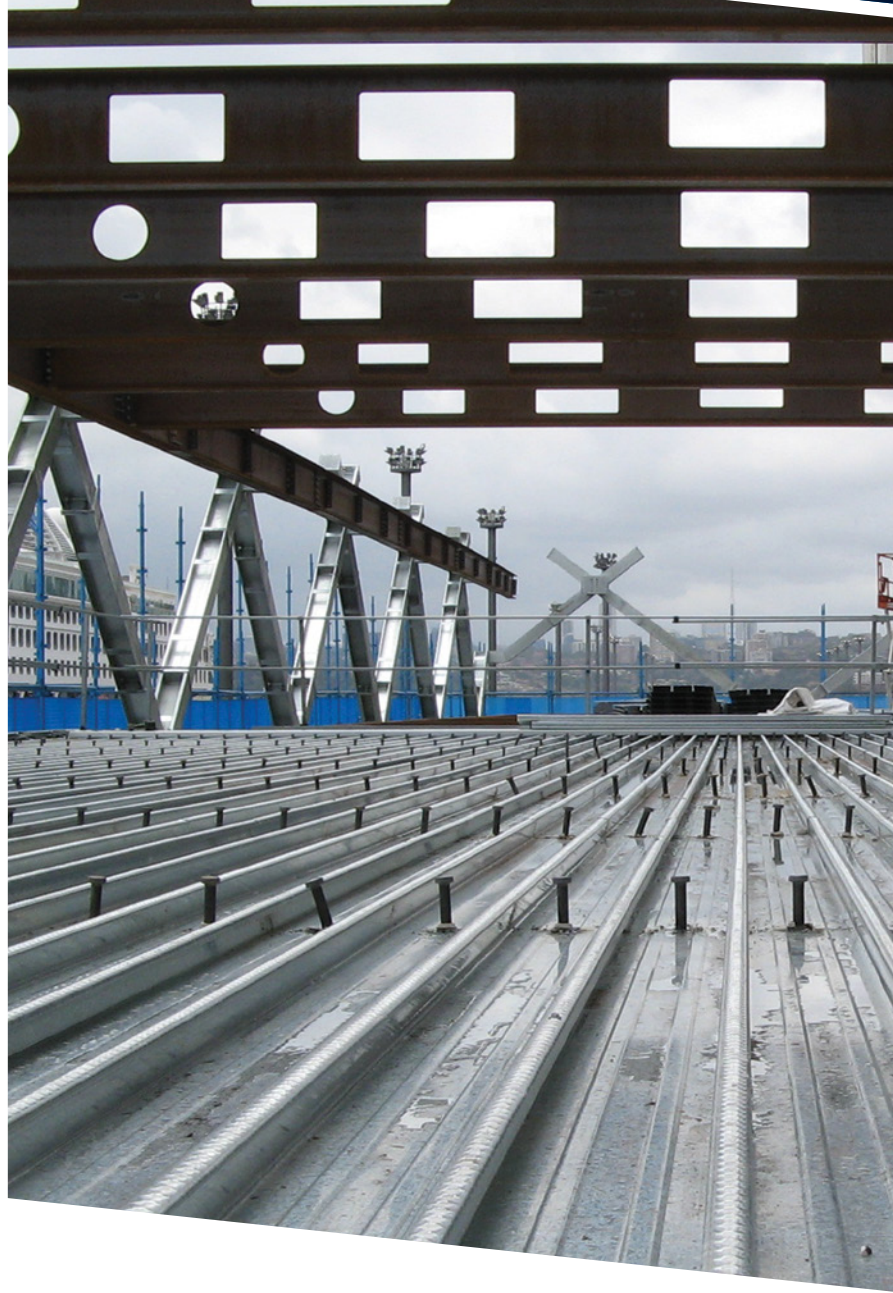
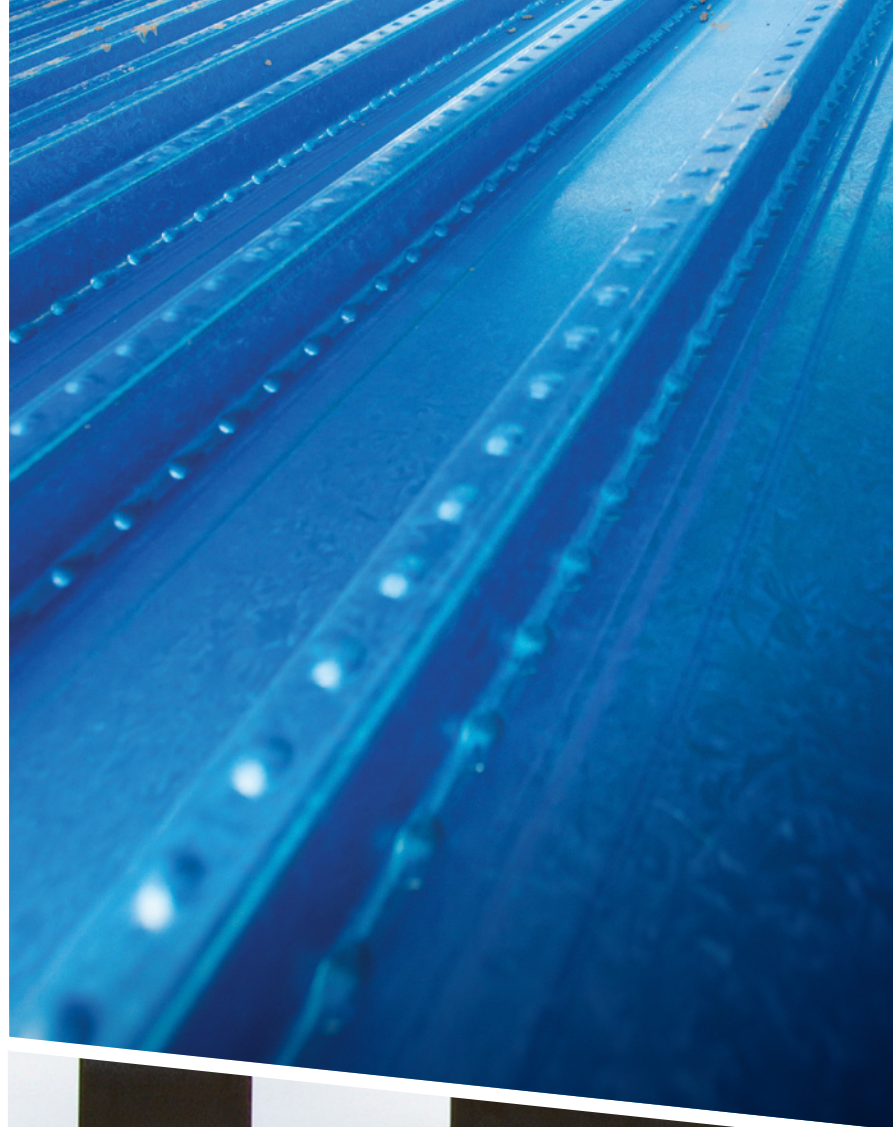


\*Not all products are available in all colours and finishes. Contact Lysaght for availability.





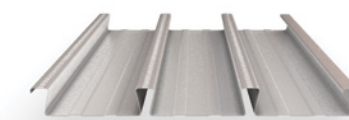
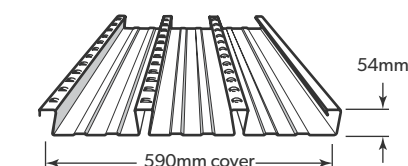
LYSAGHT. BUILD ON.



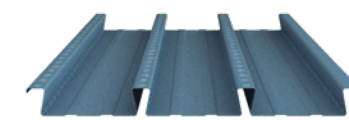
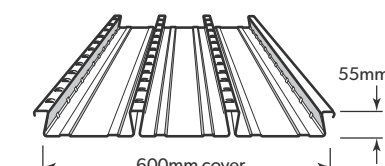
# STRUCTURAL PRODUCTS

Good looks, as they say, aren't everything. It's also what's inside that counts. Particularly when what's required inside are strong steel components that underpin extraordinary architecture. Manufactured from quality GALVSPAN®, ZINCALUME®, TRUECORE® and DECKFORM® steel, the LYSAGHT® range of structural products offer performance strengths that not only support your design vision, but may also enable you to expand it.

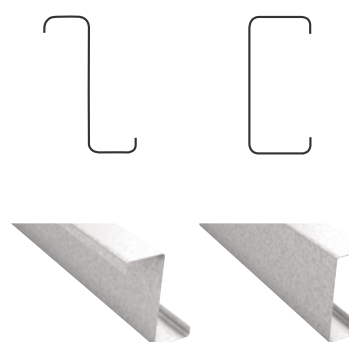
BONDEK®



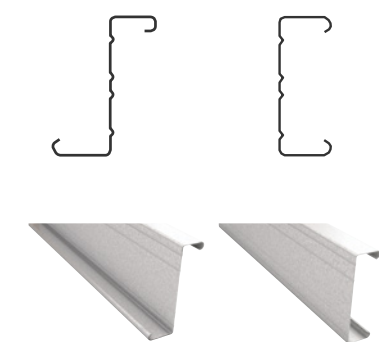
BONDEK PLUS®



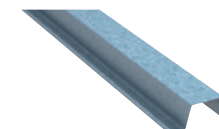
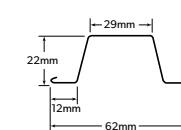
ZED & CEE PURLINS



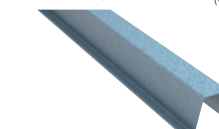
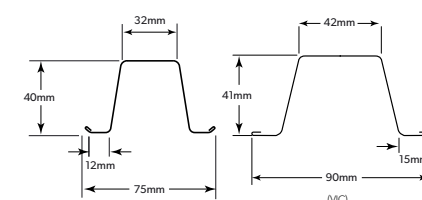
SUPAPURLIN®



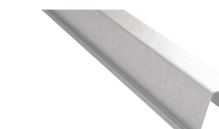
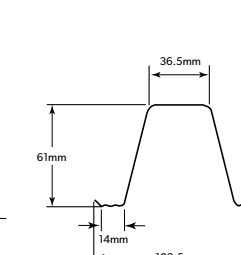
TOPSPAN® 22



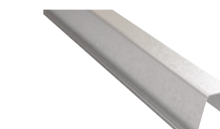
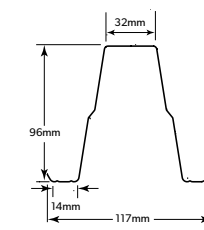
TOPSPAN® 40



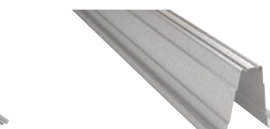
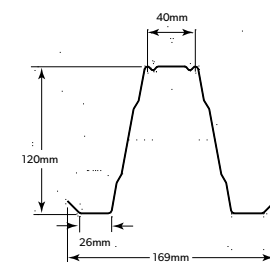
TOPSPAN® 61



TOPSPAN® 96



TOPSPAN® 120



For technical specifications,  
manuals and product case studies  
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# FENCING SOLUTIONS

Like an elegant frame surrounding a work of art, a boundary fence can be a final, defining visual element in your architectural design. Which is why, when it comes to creating boundaries, the LYSAGHT® range offers steel fencing solutions with boundless design options that will stylishly frame any structure. Made from genuine COLORBOND® steel in a range of attractive profiles and designer colours, with a range of accessories and the option of standard or wide panel fence runs, fully engineered LYSAGHT® steel fencing is designed to stand the test of time in style.



For technical specifications,  
manuals and product case studies  
**WWW.LYSAGHT.COM**



For summary product & material  
specifications see pages 55 - 61  
**QUICK REFERENCE GUIDE**



For product availability  
summary see page 62  
**AVAILABILITY GUIDE**





# THE FINISHING TOUCHES

Fascia, gutters, downpipes and flashings are not only crucial to a structure's weather resistance, but also in delivering the final touches to your architectural design. With the LYSAGHT® range of rainwater goods, you have the best of both worlds in products that are not only designed for exceptional performance, but also to deliver exceptional aesthetics. Made from quality COLORBOND® steel and available in a wide array of colours and styles, LYSAGHT® rainwater goods shine whatever the weather.



For technical specifications,  
manuals and product case studies  
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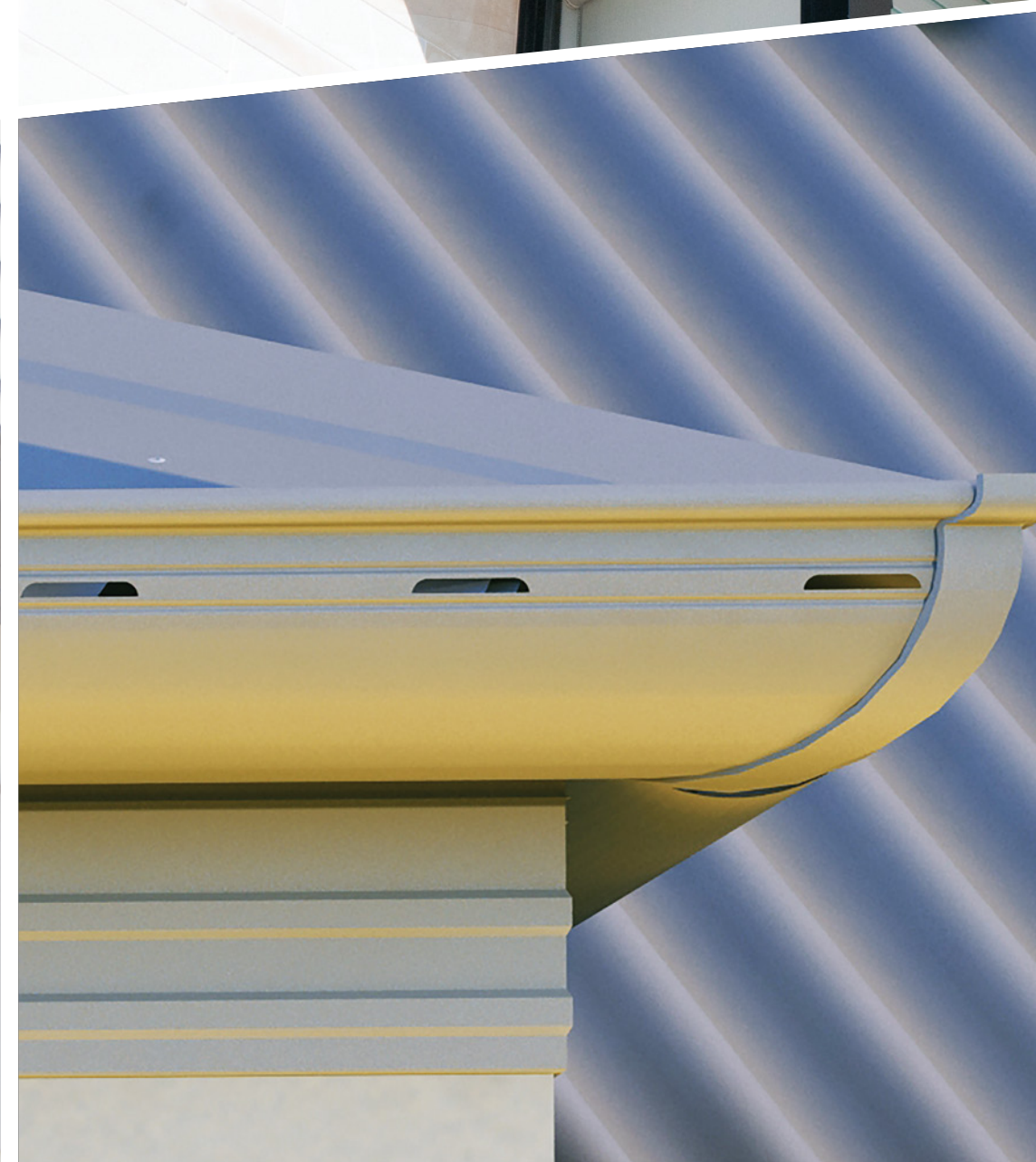


For summary product & material  
specifications see pages 55 - 61  
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For product availability  
summary see page 62  
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# LONG LENGTH ROOFING

## MOBILE ROLLFORMING

Utilising long length steel roofing systems is no longer limited by transportation, product handling or site access restrictions.

With this innovative, relocatable production capability, extremely long lengths of profiled steel roofing, potentially up to 800m, can be manufactured on-site and even delivered directly onto the roofing structure in one continuous operation.

Utilising our mobile, enclosed trailer-mounted, custom engineered rollforming machine, Lysaght can manufacture the exact project requirements on-site, synchronised perfectly with the construction timeline to ensure efficient and cost effective roof construction. It also reduces product wastage and guarantees a more precise coverage.

Long sheet lengths can be rolled out and either stacked to be craned onto the roof structure or, for those structures up to 12m eaves height, projected directly up onto the support structure in one continuous operation.



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## LOK-KLIP® & TRIM-KLIP®

The innovative end/expansion joint solution for KLIP-LOK 700 HI-STRENGTH®, KLIP-LOK CLASSIC® 700 or LYSAGHT TRIMDEK® steel roofing.

The LYSAGHT LOK-KLIP® / TRIM-KLIP® end/expansion joint solution is the next step in the evolution of one of Australia's most popular and proven industrial and commercial roof systems.

Fully compatible with both steel and translucent roof sheets for the translucent roof sheets the LOK-KLIP® / TRIM-KLIP® system comprises of a fully engineered ZINCALUME® steel bracket and a custom shaped polyethylene foam strip that work together to form a durable, weather resistant overlap joint.





# POP UP PENETRATION™

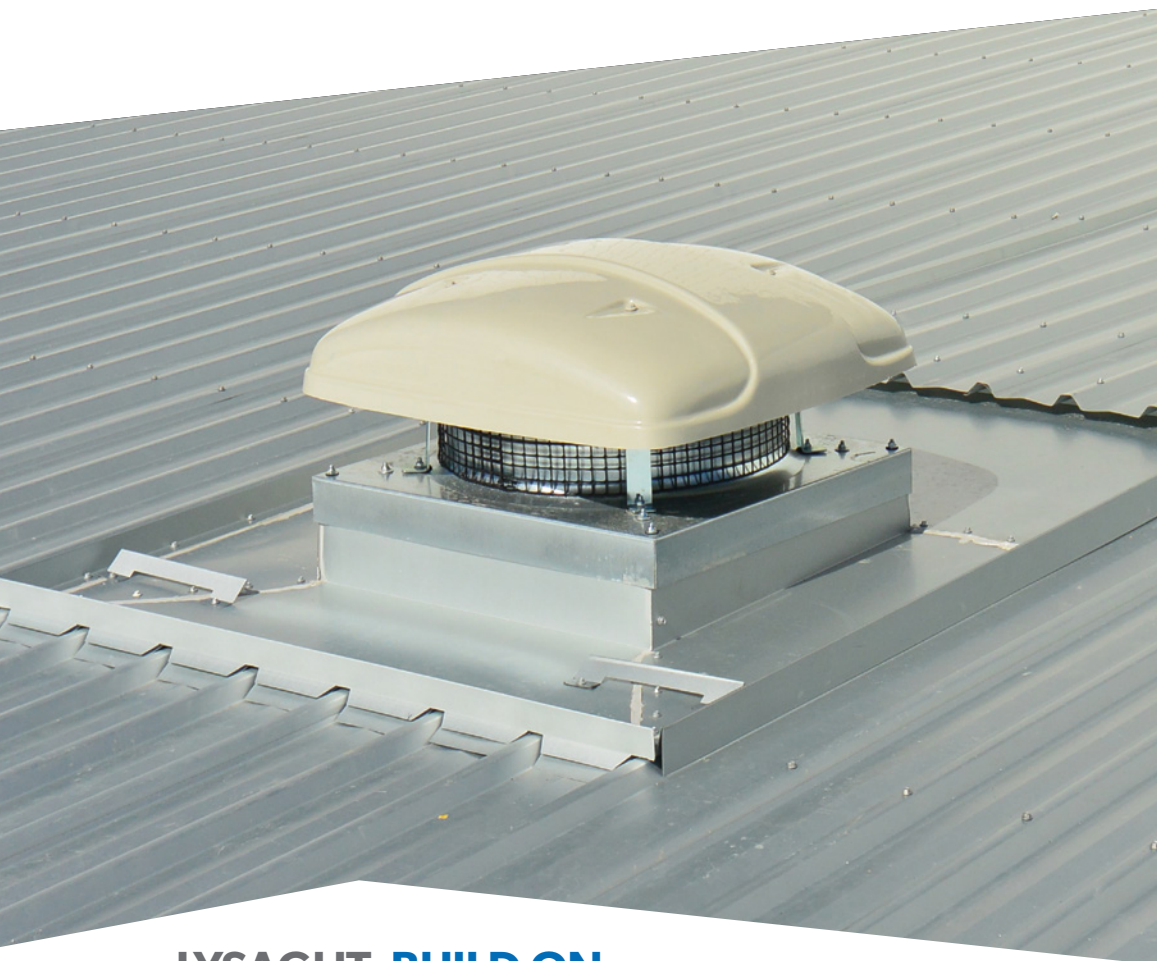
The patented Pop Up Penetration™ system has been created to provide a more efficient design for the flashing of penetrations on long run roofing projects. The system is aesthetically pleasing and complements any roof or building design.

Available in a range of finishes and colours to complement any roof, the Pop Up Penetration™ system also easily accommodates multiple roof penetrations by ensuring each penetration re-diverts its own water correctly and does not affect roof run performance.

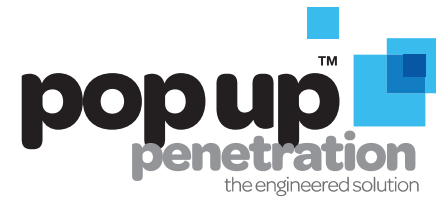
## DIFFERENCES AND ADVANTAGES

- Manufactured using genuine COLORBOND® steel and ZINCALUME® steel.
- Clean, elegant design in a range of finishes and colours to suit any roof and architecture.
- The engineered solution that correctly redirects water flow to all pans of the roof sheet to avoid flooding of the laps.
- Can be ordered in kit form, off a plan, months in advance.
- No site measure is required, saving time on site.
- Design has been engineered, independently certified and is endorsed by Lysaght for use with its products.
- The system is covered by the BlueScope Roofing Warranty\*.
- Complete peace of mind that your project will be watertight.

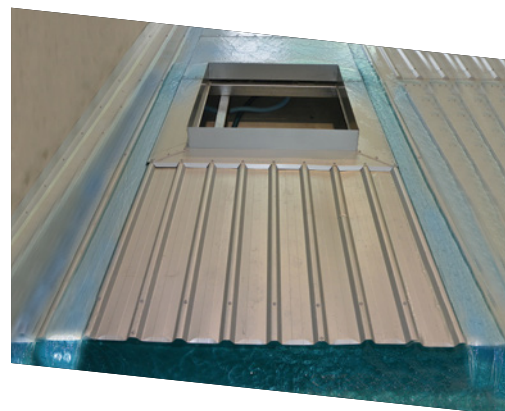
\*Subject to application and eligibility criteria being met.



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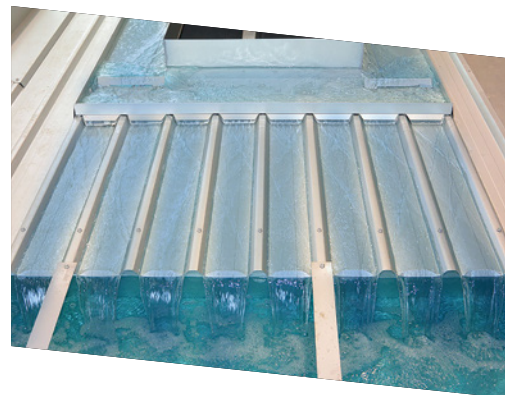


## COMPARISON WATER TEST



### WITHOUT POP UP PENETRATION

**X** All water directed to adjacent pans, well and truly exceeding roof sheet pan capacity.



### WITH POP UP PENETRATION

**✓** Water equally re-distributed in front of roof penetration.

**POP UP PENETRATION™ -  
THE ENGINEERED SOLUTION**

# LYSAGHT DESIGN ASSISTANCE CAPABILITY

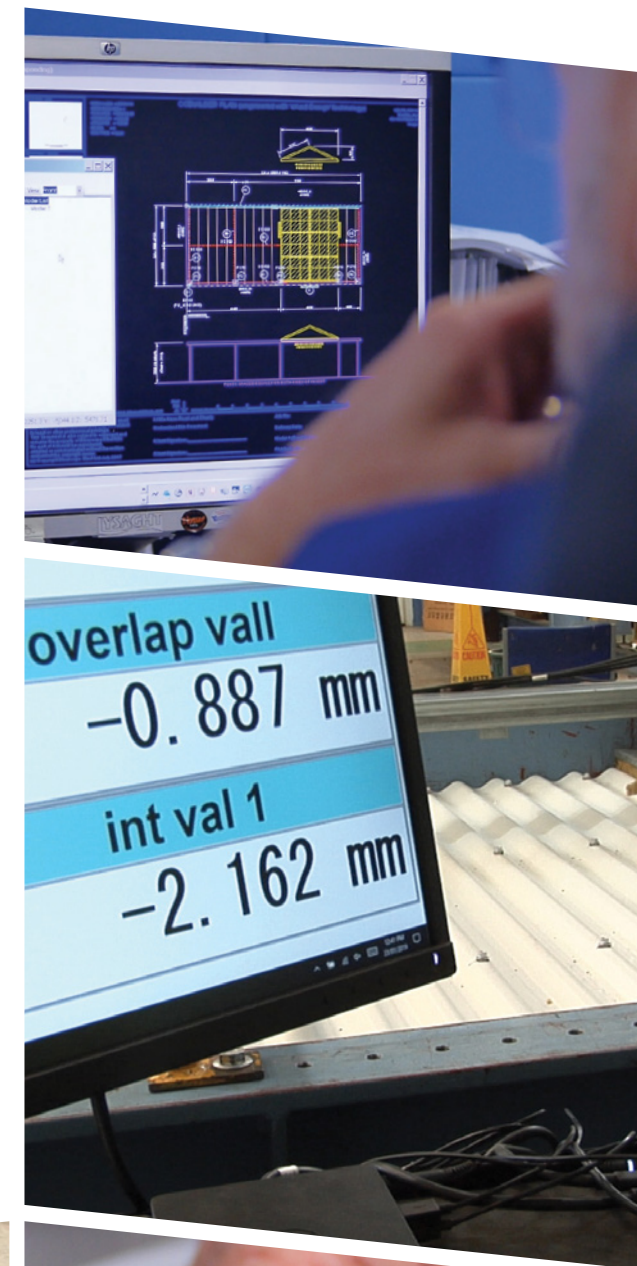
Over the last 150 years, Lysaght has earned an enviable reputation as an industry leader committed to working with architects, designers, builders and building owners to deliver innovative and ground-breaking steel building products, advanced building systems and creative design solutions.

These innovations begin as ideas – it's then up to Lysaght's engineers, designers, materials specialists and software engineers to bring them to life.

With a passion for delivering steel building product innovation, these experts are engaged in an ongoing program of product development, enhancement, improvement and certification that is keeping Lysaght at the forefront of emerging design and construction trends.

With its in-house fabrication capability and NATA accredited testing facility containing over a dozen specially designed testing and validation rigs, Lysaght is able to work with customers and suppliers to develop work class steel building product solutions.











Using the resources of this unique in-house facility, we undertake a range of critical bespoke product development and improvement tasks including prototyping and design, new product development, building system design, engineering and validation, product performance testing, and more.





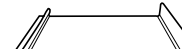
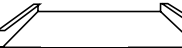

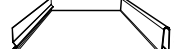
# SPECIFICATIONS

## ROOFING & WALLING

	BMT	Mass <sup>(1)</sup>	Cover Width	Rib Depth	Roof Pitch Minimum <sup>(2)</sup>	Maximum recommended spacing of supports <sup>(6)</sup>									
						ROOFS			Eaves Overhang <sup>(3)</sup>		WALLS				
						Single	End	Internal	Unstiffened	Stiffened	Single	End	Internal	Overhang	
	mm	kg/m <sup>2</sup>	mm	mm	Degrees	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
CUSTOM ORB® 	0.42	4.23	762	16	5 (1 in 12)	700	900	1200	200	300	1800	2500	2700	200	
	0.48	4.81	762	16	5 (1 in 12)	800	1300	1700	250	350	1800	2700	2700	250	
CUSTOM BLUE ORB® 	0.60	6.1	762	17	5 (1 in 12)	1600	1600	1800	200	300	2400	3000	3300	200	
	0.80	8.0	762	17	5 (1 in 12)	1800	1800	2600	400	600	2400	3200	3600	400	
CUSTOM ORB ACCENT 21® 	0.40	4.4*	762	21	3 (1 in 20)	750	950	1350	150	400	1800	2400	2400	150	
	0.48	5.2*	762	21	3 (1 in 20)	950	1500	1900	200	450	1800	2700	2700	200	
CUSTOM ORB ACCENT 35® 	0.48	5.5*	724	35	2 (1 in 30)	1300	1600	2400	200	600	2100	2700	2700	200	
KLIP-LOK® 406 	0.48	5.56	406	41	1 (1 in 50)	1500	1800	2100	200	600	-	-	-	-	
KLIP-LOK 700 HI-STRENGTH® 	0.42	4.61	700	43	2 (1 in 30) <sup>(5)</sup>	1650	1750	2200	150	450	2600	3200	3850	150	
	0.48	5.24	700	43	1 (1 in 50)	2050	2350	2800	200	500	3000	3450	3900	200	
KLIP-LOK CLASSIC® 700 	0.42	4.61	700	40	2 (1 in 30) <sup>(5)</sup>	-	1800	2200	200	500	-	2150	3250	300	
	0.48	5.24	700	40	1 (1 in 50)	1800	2000	2500	150	450	-	2700	2700	450	
LONGLINE 305® (Not Tapered) 	0.70	9.64	305	48	1 (1 in 50)	1800	2000	2500	150	450	-	2700	2700	450	
SPANDEK® 	0.42	4.61	700	24	3 (1 in 20) <sup>(4)</sup>	1300	1800	2400	300	600	2500	3000	3300	300	
	0.48	5.24	700	24	3 (1 in 20) <sup>(4)</sup>	2000	2200	3000	400	700	3000	3000	3300	400	
TRIMDEK® 	0.42	4.23	762	29	2 (1 in 30)	1100	1300	1900	150	300	2400	3000	3000	150	
	0.48	4.81	762	29	2 (1 in 30)	1600	1850	2600	200	350	2700	3000	3000	200	

# SPECIFICATIONS

## ROOFING & WALLING

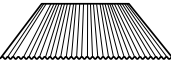



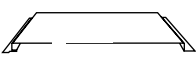
	BMT	Mass <sup>(1)</sup>	Cover Width	Rib Depth	Roof Pitch Minimum <sup>(2)</sup>	Maximum recommended spacing of supports <sup>(6)</sup>									
						ROOFS			Eaves Overhang <sup>(3)</sup>		WALLS				
						Single	End	Internal	Unstiffened	Stiffened	Single	End	Internal	Overhang	
	mm	kg/m <sup>2</sup>	mm	mm	Degrees	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
	0.55	6.91	265	38	3	600	600	600	50	-	900	900	1200	100	
	0.75	9.09	265	38	3	700	700	700	50	-	1000	1000	1300	100	
	0.55	5.92	465	38	3	Must be fixed on ply with screw fixing at 450mm c/c			50	-	450	450	450	100	
	0.75	6.88	465	38	3	Must be fixed on ply with screw fixing at 450mm c/c			50	-	550	550	550	100	
	0.55	5.48	325	27	1 or 3 for end lapped roofs	For all span type: Fixed clip at 350 at roof edge. Sliding clip at 700 at general area			50	-	For all span type: Fixed clip at 350 at wall edge. Sliding clip at 700 at wall area			100	
	0.75	7.42	325	27	1 or 3 for end lapped roofs	For all span type: Fixed clip at 450 at roof edge. Sliding clip at 800 at general area			50	-	For all span type: Fixed clip at 450 at wall edge. Sliding clip at 800 at wall area			100	
	0.55	5.09	525	27	1 or 3 for end lapped roofs	Not suitable for roofing applications					For all span type: Fixed clip at 350 at wall edge. Sliding clip at 700 at wall area			100	
	0.75	6.89	525	27	1 or 3 for end lapped roofs	Not suitable for roofing applications					For all span type: Fixed clip at 450 at wall edge. Sliding clip at 800 at wall area			100	
	0.55	6.65	275	25	5	LYSAGHT BAROQUE® cladding must be fixed to Ply at max 600mm c/c only for wind region A and terrain category 3 for higher wind regions, check with your lysaght representative <sup>(7)</sup>									
	0.75	8.76	275	25	5										
	0.55	5.79	475	25	5										
	0.75	7.61	475	25	5										
	0.55	1.83	265	38	3	600	900	900	50	-	900	900	1200	100	
	0.75	2.41	265	38	3	700	1000	1000	50	-	1000	1000	1300	100	
	0.55	2.75	465	38	3	Must be fixed to 19mm thick F11 structural CD ply with screw fixing at 450mm c/c and batten / support spacings at maximum 600mm centres			50	-	450	450	450	100	
	0.75	3.61	465	38	3				50	-	550	550	550	100	

<sup>(1)</sup> Masses are for unpainted ZINCALUME® steel, unless otherwise marked (\*). \* which are indicative masses only.  
<sup>(2)</sup> See Section 2.5, LYSAGHT® Roofing & Walling Installation Manual.  
<sup>(3)</sup> See Section 10.6, LYSAGHT® Roofing & Walling Installation Manual for explanation of ‘stiffened’.  
<sup>(4)</sup> Slope of 2° (1 in 30) is below the minimum recommended however is available subject to enquiry. Please refer to Section 2.5, LYSAGHT® Roofing & Walling Installation Manual.  
<sup>(5)</sup> Slope of 1° (1 in 50) is below the minimum recommended however is available subject to enquiry. Please refer to Section 2.5, LYSAGHT® Roofing & Walling Installation Manual.  
<sup>(6)</sup> See Section 2.3, LYSAGHT® Roofing & Walling Installation Manual.  
<sup>(7)</sup> See Section 2.5, LYSAGHT ZENITH™ Roofing & Walling Design and Installation Manual.



# SPECIFICATIONS

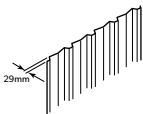
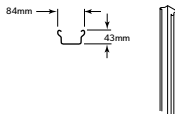
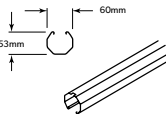
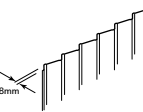
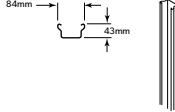
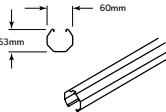
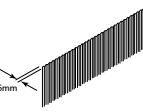
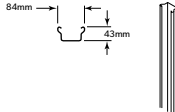
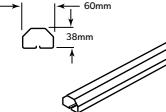
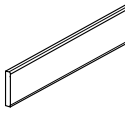
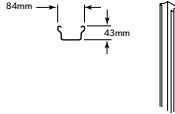
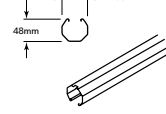
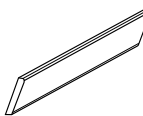
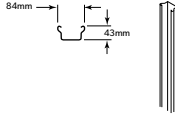
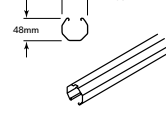
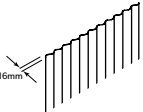
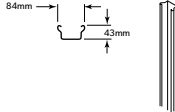
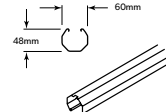
## WALLING

	BMT	Mass <sup>(1)</sup>	Cover Width	Rib Depth	Maximum recommended spacing of supports <sup>(2)</sup>			
					Single	End	Internal	Overhang
	mm	kg/m <sup>2</sup>	mm	mm	mm	mm	mm	mm
MINI ORB® 	0.42	3.93	820	6	1200	1500	1500	100
MULTICLAD® 	0.35	3.23	840	12	1400	1800	1800	150
	0.42	3.84	840	12	1700	1800	1800	150
PANELRIB® 	0.35	3.19	850	4	1100	1200	1200	150
	0.42	3.80	850	4	1200	1200	1200	150
WALLCLAD® 	0.35	3.56	762	16	1800	2400	2400	150
DOMINION® 	0.55	5.88	285	25	1200	1200	1500	100
	0.75	7.43	285	25	1300	1200	1500	100
	0.55	5.31	485	25	900	900	1200	100
	0.75	6.71	485	25	1000	1000	1300	100

<sup>(1)</sup> Masses are for unpainted ZINCALUME® steel.  
<sup>(2)</sup> See Section 2.3, LYSAGHT® Roofing & Walling Installation Manual.

# SPECIFICATIONS

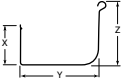
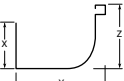
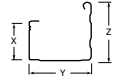


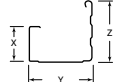

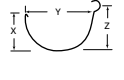
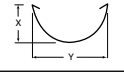
## FENCING

Product	Infill	Post	Rail	Panel Heights	Panel Widths
NEETASCREEN®				1500mm, 1800mm, 2100mm	1582mm, 2350mm, 3100mm
SMARTASCREEN®				1500mm, 1800mm, 2100mm	1582mm, 2350mm, 3100mm
MINISCREEN®				1500mm, 1800mm, 2100mm	1582mm, 2350mm
SLATSCREEN®				1500mm, 1800mm	2350mm
LOUVRESCREEN™				1500mm, 1800mm	1800mm
CUSTOMSCREEN®				1500mm, 1800mm, 2100mm	1582mm, 2350mm



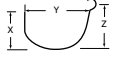
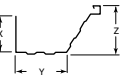
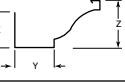
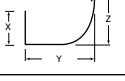
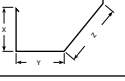
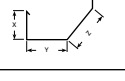
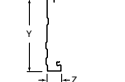
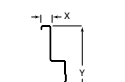
SPECIFICATIONS

RAINWATER

Product	Typical Profile	X mm	Y mm	Z mm	Available in
QUAD 115 Hi-Front		62	115	90	QLD, NSW, ACT, VIC, TAS, SA
QUAD 115 Lo-Front		65	115	70	NSW, ACT
QUAD 150 Hi-Front		62	150	90	QLD
QUAD 150 Lo-Front		78	150	74	QLD
QUAD 175		100	163	99	QLD
QUAD Square Bead		65	115	100	WA
SHEERLINE® with return		81	124	141	NSW, ACT, VIC, TAS
		83	127	140	WA
SHEERLINE® without return		73	124	141	SA
TRIMLINE®		72	124	116	QLD, VIC, Northern NSW
FITFAST®		69	124	140	QLD
EMLINE®		89	125	140	QLD
OGEE®		64	145	98	SA
		63	125	90	VIC
HALF ROUND		73	150	97	NSW, ACT
		N/A	150	N/A	VIC
		83	150	98	SA
		79	154	105	QLD
		75	150	75	WA
HALF ROUND 190		90	190	100	QLD

SPECIFICATIONS

RAINWATER

Product	Typical Profile	X mm	Y mm	Z mm	Available in
FLATBACK		74	136	97	NSW, ACT
		82	140	104	QLD
		83	150	98	SA
FLATBACK 190		95	180	110	QLD
RANCELINE® WA		N/A	125	104	WA
COLONIAL® WA		N/A	130	94	WA
QUARTER ROUND		65	125	100	WA
SHORELINE®		93	105	134	SA
SHORELINE® MINI		61	88	88	SA
NOVALINE® FASCIA		18	185	35	QLD, NSW, ACT, VIC, SA
REBATE NOVALINE® FASCIA		19	178	44	WA



# SPECIFICATIONS

## MATERIAL

	Description	Standard	Coating Mass
ZINCALUME® steel	Aluminium/zinc/magnesium alloy coated steel	AS 1397:2011	125g/m²
COLORBOND® steel	Pre-painted steel for exterior roofing and walling	Painting complies with AS/NZS 2728:2013 Base complies with AS 1397:2011	100g/m²
COLORBOND® Metallic steel	Pre-painted steel for superior aesthetic performance displaying a metallic sheen		100g/m²
COLORBOND® steel Matt	Pre-painted steel for exterior roofing and walling displaying a matt finish		100g/m²
COLORBOND® Ultra steel	Pre-painted steel for severe coastal or industrial environments		150g/m²
COLORBOND® Stainless steel	Pre-painted steel for severe coastal or industrial environments	Painting complies with AS/NZS 2728:2013 Base complies with AISI/ASTM Type 430	



# PRODUCT AVAILABILITY

## ROOFING & WALLING, STRUCTURAL, RAINWATER, FENCING

	QLD	NSW/ACT	VIC	SA	WA	TAS	NT
<b>ROOFING &amp; WALLING</b>							
CUSTOM ORB®							
CUSTOM BLUE ORB®							
TRIMDEK®							
SPANDEK®							
CUSTOM ORB ACCENT® 21							
CUSTOM ORB ACCENT® 35							
KLIP-LOK 700 HI-STRENGTH®							
KLIP-LOK CLASSIC® 700							
KLIP-LOK® 406							
KLIP-LOK 700® TASMAN							
PANELRIB®							
MULTICLAD®							
MINI ORB®							
MINI ORB® WA							
WALLCLAD®							
TRIMWALL							
LONGLINE 305®							
LONGLINE 305® WA							
DOMINION®							
IMPERIAL™							
BAROQUE®							
SNAPSEAM®							
ENSEAM®							
<b>STRUCTURAL</b>							
BONDEK®							
BONDEK PLUS™							
BONDEK PLUS™ 2P							
ZED & CEE PURLINS							
SUPAPURLIN®							
TOPSPAN® 22							
TOPSPAN® 25							
TOPSPAN® 40							
TOPSPAN® 50							
TOPSPAN® 61							
TOPSPAN® 96							
TOPSPAN® 120							
<b>RAINWATER PRODUCTS</b>							
QUAD							
SHEERLINE®							
TRIMLINE®							
FITFAST®							
EMLINE®							
OGEE®							
HALF ROUND							
FLATBACK							
RANCELINE®WA							
COLONIAL®WA							
QUARTER ROUND							
SHORELINE®							
SHORELINE® MINI							
NOVALINE® FASCIA							
REBATE NOVALINE® FASCIA							
<b>FENCING</b>							
NEETASCREEN®							
SMARTASCREEN®							
MINISCREEN®							
SLATSCREEN®							
LOUVRESCREEN™							
CUSTOMSCREEN®							



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