

LYSAGHT

SPANNING YOUR IMAGINATION

LYSAGHT LONG LENGTH ROOFING



SPANNING YOUR IMAGINATION

Don't let your design vision be limited by the building materials you have to work with.



The choice of roofing material is an important consideration for any architectural project. The challenge is always to provide a cost-effective material solution without compromising the utility and visual aesthetic of the building design.

Lysaght has been supplying quality steel building products for over 150 years. As Australian architecture has evolved, so too have the demands on the roofing products needed to bring these changing design visions to life.

LYSAGHT® long length roofing can help you achieve the ultimate dramatic roofline for your next large scale industrial, commercial, infrastructure or community project.

Designing with LYSAGHT® long length roofing not only delivers visually stunning results but also provides tangible benefits throughout the lifecycle of the building:

STRUCTURAL SAVINGS

– long span roofing requires fewer supporting purlins than does regular roofing. This not only means savings in material costs - overall construction time is also reduced, with less structural elements to be installed.

FASTER INSTALL

– with a single sheet covering a greater area, less purlins to fix to and the elimination of step joints, installation times can be significantly reduced. Not only are costs reduced but following trades are more quickly able to begin their work.

MAINTENANCE SAVINGS

– without the need for ongoing inspection and cleaning of step joints, overall building maintenance costs can also be reduced. Also, with less elaborate flashing required, potential maintenance at junctions is minimised.

BETTER PERFORMANCE

– a single long run sheet spanning eave-to-eave means a more watertight and secure roof. Depending on the profile of sheeting chosen, the elimination of screw perforations can provide even greater security and longevity.





MOBILE ROLLFORMING

THE ULTIMATE LONG LENGTH ROOFING SOLUTION

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

Lysaght, the trusted experience in steel, has eliminated these potential issues with its mobile rollforming technology and has been revolutionising the way steel deck roofs are manufactured and installed in Australia.

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.



MOBILE FACTS

The Lysaght mobile rollformer can potentially produce a single roof sheet up to 800 metres long, the length of a typical COLORBOND® steel feed coil.

The rated capacity of the mobile rollformer is 30 linear metres per minute.

The nationally relocatable mobile rollformer can produce the LYSAGHT KLIP-LOK 700 HI-STRENGTH® profile with either transverse and longitudinal fluting giving you even more design choice.



LYSAGHT KLIP-LOK®

CREATE A DRAMATIC VISUAL STATEMENT

LYSAGHT KLIP-LOK® has long been a design favourite in Australia for prestige commercial, industrial and architectural projects.

With a bold rib geometry rising from wide, flat pans, a LYSAGHT KLIP-LOK® roof provides a strong visual statement on any building. Those same flat pans also mean the profile has excellent water carrying capacity and can be used on roof pitches as low as one degree*.

Installed using a proprietary concealed fixing system there are no exposed fasteners to spoil the long, straight clean lines of a LYSAGHT KLIP-LOK® roof.

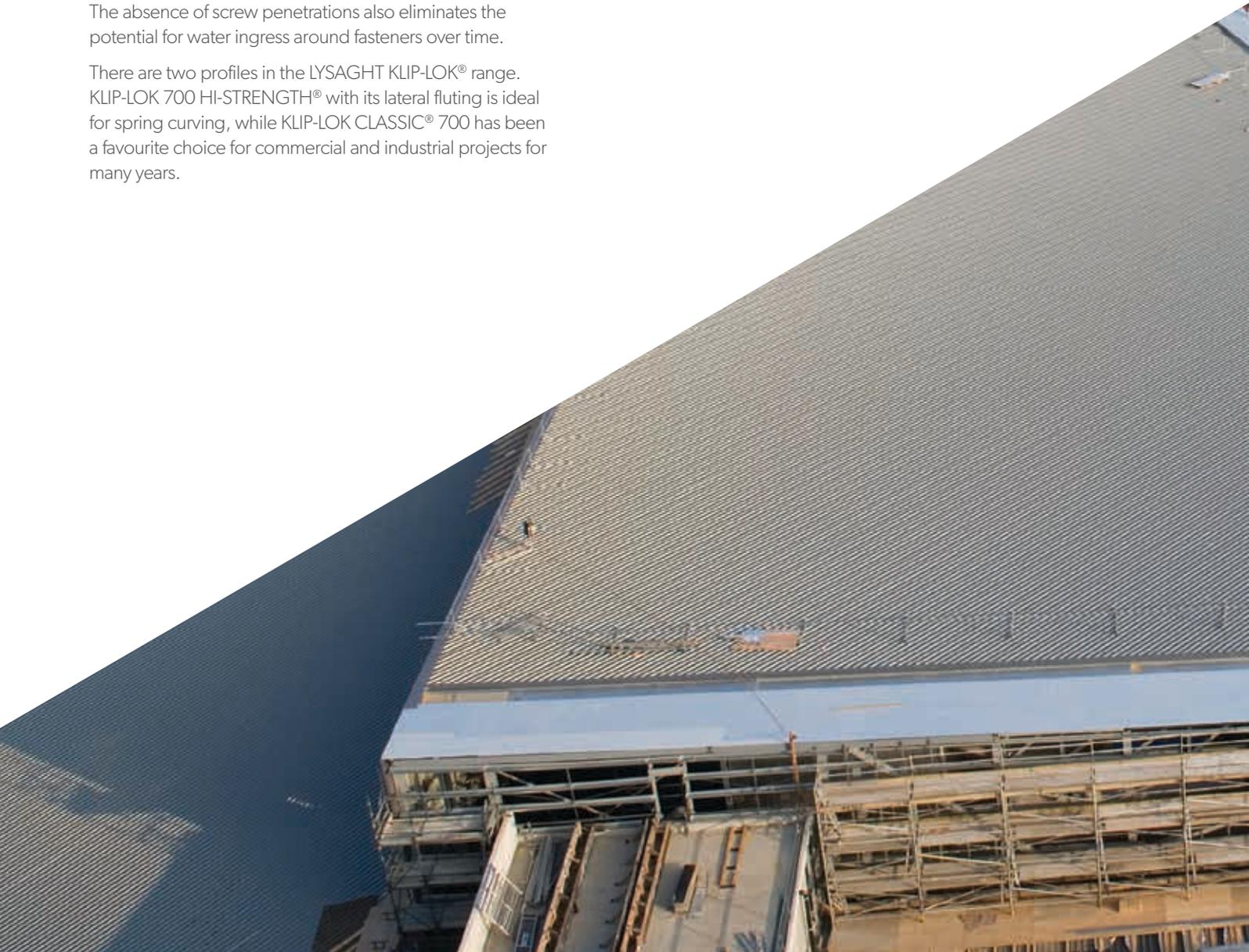
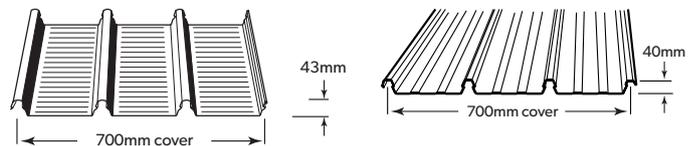
The use of the concealed clip system ensures secure fastening to the purlin sub-structure, while allowing thermal expansion to be accommodated along the length of the sheet without compromising the weathertight properties of the KLIP-LOK® profile.

The absence of screw penetrations also eliminates the potential for water ingress around fasteners over time.

There are two profiles in the LYSAGHT KLIP-LOK® range. KLIP-LOK 700 HI-STRENGTH® with its lateral fluting is ideal for spring curving, while KLIP-LOK CLASSIC® 700 has been a favourite choice for commercial and industrial projects for many years.

	KLIP-LOK 700 HI-STRENGTH®	KLIP-LOK CLASSIC 700®
Availability	QLD, NSW and VIC	SA and WA
Thickness	0.42mm and 0.48mm	0.42mm and 0.48mm
Minimum Pitch	1° subject to design and environment criteria	2° for 0.42mm 1° for 0.48mm
Substrates	<ul style="list-style-type: none">• Next Generation ZINCALUME® AM 125 steel• COLORBOND® steel• COLORBOND® Metallic steel displaying a metallic sheen• COLORBOND® ULTRA steel for severe coastal or industrial environments	
Cover Width	700mm	

*Subject to KLIP-LOK® 700 profile, material thickness chosen and a number of design provisions being met – refer to technical information available at www.lysaght.com for details.



PROJECTS IN FOCUS



AUSTRALIAN DEFENCE FORCE LOGISTIC FACILITY

Warehousing, maintenance and testing facilities, requiring the manufacture and delivery of 460 tonnes of steel products comprising 81,000 square metres of LYSAGHT KLIP-LOK® roofing, 19,000 square metres of SPANDEK® cladding, plus 60,000 linear metres of SUPAZED® 200 purlins.

Approximately 560 metres of the LOK-KLIP® end and expansion joint solution was utilised to maintain the long clean lines of the roofing, without cluttering it with clearly visible step joints.



BRIGHTWATER MARKET PLACE

The LYSAGHT LOK-KLIP® solution was successfully put to the test on the Brightwater Market Place shopping centre site at Stockland's newest Sunshine Coast development.

The LYSAGHT KLIP-LOK 700 HI-STRENGTH® concealed fix skillion roof is approximately 58 metres from top barge to the lower gutter and 65 metres from gable to gable.

The LYSAGHT LOK-KLIP® end and expansion joint system was chosen because of its ease of installation and effectiveness.

LYSAGHT TRIMDEK®

THE ECONOMICAL LONG LENGTH ROOFING OPTION

One of Lysaght's most popular profiles, LYSAGHT TRIMDEK® is the ideal long length roofing product alternative for projects needing a cost-effective roof cladding option.

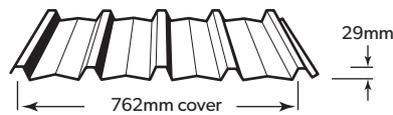
With its subtle, square fluted profile a LYSAGHT TRIMDEK® steel roof provides any project with a clean, elegant finish.

Its greater cover width of 762mm also makes it an economical roofing option that is quick to install and results in a roof with excellent water carrying capacity that can be used at pitches as low as two degrees.

LYSAGHT TRIMDEK® is made using high strength steel and, despite its lightness, provides excellent spanning capacity and remarkable recovery after deformation.

This combination of strength, spanning ability and rigidity permits wider purlin spacings, which in turn reduces installation time with less pierced fix fastening required to secure the roof sheet.

	TRIMDEK®
Availability	National
Substrates	Next Generation ZINCALUME® AM 125 steel COLORBOND® steel COLORBOND® Metallic steel displaying a metallic sheen COLORBOND® ULTRA steel for severe coastal or industrial environments
Thickness	0.42 and 0.48mm
Minimum Pitch	2°
Cover Width	762mm



LYSAGHT LONGLINE 305[®]

ARCHITECTURAL LONG LENGTH ROOFING

Create a striking look with LYSAGHT LONGLINE 305[®] with its bold ribs and wide flat pans.

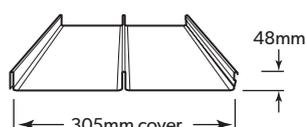
This distinctive profile adds visual interest to large areas by casting evolving shadows which change the look of the roof throughout daylight hours.

For even greater design freedom and aesthetic interest, LYSAGHT LONGLINE 305[®] can also be fluted and tapered to create strong lines radiating out from a central design point across the expanse of the roofing structure.

Strong and durable, the water carrying properties of concealed-fixed LYSAGHT LONGLINE 305[®] cladding makes it suitable for roofing applications with a pitch as low as one degree. The specially designed concealed-fix system allows for thermal expansion and the absence of screw penetrations eliminates the potential for water ingress over time.

	LONGLINE 305 [®]
Availability	National*
Substrates	Next Generation ZINCALUME [®] AM 125 steel COLORBOND [®] steel COLORBOND [®] Metallic steel displaying a metallic sheen COLORBOND [®] ULTRA steel for severe coastal or industrial environments
Thickness	0.70mm
Minimum Pitch	1°
Cover Width	305mm

* LONGLINE 305[®] WA supplied in Western Australia - see website for details.



PROJECTS IN FOCUS



SPRINGFIELD RAILWAY STATION

The Queensland Government's \$475 million Darra to Springfield Transport Corridor Stage 2 Richlands to Springfield Project is an integrated road and rail project for the growing western corridor of Brisbane.

LYSAGHT LONGLINE 305[®] cladding was selected for the prominent roof and wall sections on the complex, with nearly 1900 square metres of LYSAGHT LONGLINE 305[®] sheeting in both Monument[®] and Surfmist[®] COLORBOND[®] steel used to clad the central island rail platform and connecting pedestrian overpass bridge and service buildings.





STEP OUT WITH LOK-KLIP® & TRIM-KLIP®

Even when using long length roofing sheets there are times when end joints are unavoidable.

For those times, Lysaght has developed unique weather resistant end and expansion joint solutions for our KLIP-LOK® and TRIMDEK® roofing profiles.

Our LOK-KLIP® and TRIM-KLIP® end and expansion joint systems have been fully engineered by Lysaght to provide an attractive, easy to install alternative to traditional step joint installations.

Comprising a fully engineered ZINCALUME® steel bracket and custom shaped weather resistant polyethylene strips, these low profile systems maintain the roof's long, clean lines without cluttering the roof space with clearly visible step joints.

DID YOU KNOW?

These innovative end and expansion joint solutions:

- Are fully NATA tested for both cyclonic and non-cyclonic applications
- Can deliver transport savings by allowing easily transportable shorter sheet lengths to be utilised as part of a long run roofing solution
- Are easy to install with no requirement for special tooling or fasteners
- Provide time, material and cost savings when compared to traditional, complicated step joint designs

PEACE OF MIND WITH FM APPROVAL

Roofing systems are arguably one of the most important facets of the complete building envelope, providing vital protection from natural hazards associated with local environmental conditions including rain, hail, high winds, temperature extremes and even fire.

FM Approvals is a global third party certification agency that provides a vital service to the insurance industry by rating the performance, quality and suitability of building products used by construction companies around the world.

Metal roofing systems that achieve FM Approval have undergone a rigorous testing regime to assess performance with respect to wind uplift and foot traffic resistance.

FM Approvals certification assures Lysaght customers not only of our products' technical superiority, integrity and manufacturing processes but also of the robust quality systems in place to support these critical building components.

A WORLD OF BENEFITS

You get substantial ongoing benefits when you use FM Approved LYSAGHT TRIMDEK®, KLIP-LOK CLASSIC® 700 and KLIP-LOK 700 HI-STRENGTH® roofing products:

- You can be confident that these products not only meet local statutory standards but also comply with the growing global incorporation of third party criteria into design specifications
- Fast delivery times thanks to Lysaght's national network of FM Approved manufacturing sites
- Potential for reduced costs, with these certified roofing products being recognised by insurance companies, thereby reducing overall building insurance cost
- You're assured of nation-wide back-up and technical support from Lysaght's trusted team of product and industry experts
- You have peace of mind knowing FM Approval is recognised by building assessors, which can help accelerate your building approval; and
- If disaster strikes you have the comfort of knowing approved roofing systems can exhibit reduced damage which can lead to faster recovery and repair



FOR YOUR NEAREST SUPPLIER VISIT:

WWW.LYSAGHT.COM

FOR TECHNICAL ENQUIRIES
CALL 1800 641 417

LYSAGHT®, KLIP-LOK 700 HI-STRENGTH®, KLIP-LOK CLASSIC®, KLIP-LOK®, LOK-KLIP®, TRIMDEK®, TRIM-KLIP®, COLORBOND®, ZINCALUME® and ® colour names are registered trade marks of BlueScope Steel Limited, ABN 16 000 011 058. FM Approved is a registered trade mark of FM Global Ltd. The LYSAGHT® range of products is exclusively made by BlueScope Steel Limited trading as Lysaght.



BLUESCOPE

Colorbond®



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