

The Lysaght logo is positioned in the top right corner of the page. It consists of the word "LYSAGHT" in a bold, blue, sans-serif font, with a blue horizontal line underneath the letters. The background of the entire page is a photograph of a modern, open-sided shelter structure with a corrugated metal roof and metal support columns. The shelter has several long, silver metal benches inside. In the background, there is a black metal fence and a building with blue and white accents under a clear blue sky.

**LYSAGHT**

# **LYSAGHT<sup>®</sup> KITTED STRUCTURES**

**AUSTRALIA'S SHELTER NEEDS COVERED**



# LYSAGHT® KITTED STRUCTURES

All your bases covered when you want the best shelter solution.

## UNIQUE DESIGN SOLUTIONS

Working closely with you, Lysaght will deliver the perfect shelter solution, custom designed to your specific project needs. Not an off-the-shelf, one-size-fits-all solution, but a unique solution designed using Lysaght's design software to meet the equally unique requirements of your project.

## FULLY ENGINEERED SHELTERS

Custom design also means engineering every shelter solution to Australian Standards – and to the particular needs of each project, such as the location and environment (for example, cyclonic conditions) and end-user applications (trafficable or non-trafficable) as required - all supported by detailed structural engineering documentation.

## VERSATILE DESIGN AESTHETICS

In terms of aesthetics, LYSAGHT® Kitted Structures offer great individuality, with structural design options, roof sheeting options in a range of materials and colours, plus a range of colour options for roof beams and posts – all of which ensure your new shelter solution integrates with and complements new or existing buildings on-site.

## QUALITY, TRUSTED MATERIALS

Constructed using durable, fire and termite resistant FLATDEK®, FLATDEK® II, CUSTOM ORB®, SPANDEK® and TRIMDEK® steel roofing, FIRMLOK® structural beams and SmartParts™ connectors, these shelter solutions also offer the strength and durability that's become synonymous with Lysaght - with components of each LYSAGHT® Kitted Structure backed by a structural warranty\* from Lysaght and a COLORBOND® steel material warranty\* from BlueScope.

## EASILY THE BEST

As for an easy solution – nothing comes close to LYSAGHT® Kitted Structures. Delivered to site in one convenient, consolidated kit with detailed installation and construction guides, their simple and economical designs ensure ease of installation on-site, while the finished structure is low-maintenance for a hassle-free service life – and 100% recyclable to boot. Even arranging your LYSAGHT® Kitted Structure shelter solution is easy, thanks to the nation-wide footprint of Lysaght branches and offices – all backed by a dedicated national transport network.

## ALL LYSAGHT® KITTED STRUCTURES INCLUDE:

- Documentation supporting 100% structurally engineered solutions (including cyclonic)
- Full certification including Form 15
- Colour scheme representations
- Detailed drawings in 2D and 3D
- Cutting lists and a complete bill of materials
- 100% Australian made COLORBOND® steel products
- 20 year structural performance warranty from Lysaght\*
- 15 year perforation warranty from BlueScope

\*Subject to application, terms and conditions



# PROJECT CASE STUDY

## QUEENSLAND SCHOOLS GET FIRST CLASS WALKWAY SOLUTION FROM LYSAGHT

When leading commercial builder Watpac was awarded a contract in early-2014 to build ten schools in nine suburbs in South East Queensland, the fully-engineered LYSAGHT® Covered Walkway System was evaluated and given top marks for suitability for the important schools project.

**LOCATION:**  
QUEENSLAND

**COUNTRY:**  
AUSTRALIA

**CLIENT:**  
WATPAC

**BUILDING CONTRACTOR:**  
RHM BUILDING INNOVATIONS

**PRODUCTS:**  
FIRMLOK® BEAMS, SMARTPARTS™ CONNECTORS  
& SPANDEK® STEEL ROOFING

The LYSAGHT® Covered Walkway System offered a fully engineered solution for creating safe, durable and aesthetically pleasing covered walkways to protect students and staff from the elements. The LYSAGHT® Covered Walkway System utilises LYSAGHT® steel building products including FIRMLOK® beams and SmartParts™ connectors, SPANDEK® roofing, plus all fixings, guttering and posts.

"Hearing Watpac had been awarded the contract, I approached Greg Reinke, Watpac's Design Manager for the schools project, and he was very impressed with everything the LYSAGHT® Covered Walkway System offered - particularly the fact that it's fully engineered," Chris Hooper, Lysaght's QLD/NT Segment Manager, explained.

"Additionally, it's a quality system that features FIRMLOK® beams, SPANDEK® roofing and guttering all made from 100% Australian-made COLORBOND® steel; it has a 20 year Lysaght structural warranty, a 15-year BlueScope perforation warranty and comes with Form 15 Compliance Certification."

At Watpac's request, Chris Hooper and the Lysaght team then built a 15m display covered walkway at Lysaght's Archerfield site in Brisbane for Watpac, their client Plenary Group, Plenary Group's client, the Queensland Government Department of Education, Training and Employment (DETE), and project architects GSA Architects to inspect closely.

"There were many factors that made the LYSAGHT® Covered Walkway System ideal for the schools project," Greg Reinke, Watpac's Design Manager - QLD Schools Project Administration, stated. "The LYSAGHT® Covered Walkway System was deemed a much better fit aesthetically, with high gloss COLORBOND® beams compared to welded hot dipped galvanised beams.

"The difference in terms of lead times and logistics was also a key factor," Greg Reinke continued. "With a hot dipped galvanised structure any adjustments on site can compromise the hot dip galvanising, requiring members to be sent back to be recoated.

"With the LYSAGHT® Covered Walkway System we had a component-type product that had the flexibility to more easily integrate with existing structures and more readily allow for any changes if required; this was extremely important as walkways are one of the last elements and are quite critical time-wise in closing out a project.

"Underpinning the many product benefits were the quite substantial warranties that come with the system and the reputation for quality with Lysaght, which certainly helped get them over the line." Given the green light, the Lysaght team utilised Lysaght's Design Software to design approximately 1,800sqm of covered walkways for Stage 1 of Burpengary Secondary School and Pimpama Primary School, consulting closely with Watpac and GSA Architects to deliver the final designs.

"There were many factors to consider, particularly in terms of safety," Chris Hooper explained. "The structures had to be trafficable, so extra internal beams were required, and location of posts was carefully considered, particularly at busy walkway junctions and where walkways adjoined school structures."

Lysaght assisted Watpac in the selection of RHM Building Innovations to build the Pimpama and Burpengary schools' Stage 1 covered walkways which were completed over a three month period from September to November 2014.

# MINING SOLUTIONS



LYSAGHT Living Collection® awnings at a Dysart mining village in early 2012

**PROJECT:**  
MODULAR MINING ACCOMMODATION

**LOCATION:**  
DYSART, CENTRAL QLD

**SOLUTION:**  
101 X FULLY ENGINEERED LYSAGHT LIVING COLLECTION® ATTACHED AWNINGS

"Quality of product is one of the main considerations when choosing materials for a project like this...it is important to our clients that a good living environment is created for workers when they are located on these remote sites".

– **Project Manager, Dysart mining village**



LYSAGHT Living Collection® carports at a Dysart mining community in mid 2012

**PROJECT:**  
INCREMENTAL HOUSING FOR MINING COMMUNITY PROJECT

**LOCATION:**  
DYSART, CENTRAL QLD

**SOLUTION:**  
20 X FULLY ENGINEERED LYSAGHT LIVING COLLECTION® CARPORTS

"They seem to be a simpler system to erect than the ones we previously used. They went together like a Lego set".

– **Design Manager, Dysart incremental housing project**

# COLORBOND® STEEL

Made using 100% Australian-made COLORBOND® steel, you can trust LYSAGHT® Kitted Structures to stand the test of time.

With roof sheeting and structural beams made using COLORBOND® steel, you can rest assured your LYSAGHT® Kitted Structure has been designed and tested to withstand Australia's tough climatic conditions – and will make your project look better for longer.

COLORBOND® steel offers benefits you don't get with other building materials. It won't rot, warp, peel or chip – and with a tough, oven-baked finish it retains its good looks longer without further painting or finishing once it's installed.

With a range of modern COLORBOND® steel colours to choose from, and many design options, LYSAGHT® Kitted Structures make it easy for you to create a shelter solution that is sympathetic to its environment.

For a premium finish LYSAGHT® Kitted Structures can also be supplied with a durable high gloss finish on the roofing and structural components.

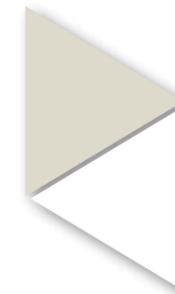
## COLORBOND® STEEL HIGH GLOSS ROOFING COLOUR RANGE



**CLASSIC CREAM™  
OVER  
CLASSIC CREAM™**



**PAPERBARK®  
OVER  
PAPERBARK®**



**SURFMIST®  
OVER  
THREDBO WHITE®**



**WOODLAND GREY®  
OVER  
CLASSIC CREAM™**



**MANOR RED®  
OVER  
CLASSIC CREAM™**



**MONUMENT®  
OVER  
THREDBO WHITE®\***

\* Available in VIC for CUSTOM ORB®, SPANDEK® and TRIMDEK® only.

## COLORBOND® STEEL HIGH GLOSS FIRMLOK® BEAMS & POSTS COLOUR RANGE



**CLASSIC CREAM™**



**PAPERBARK®**



**MONUMENT®**



**THREDBO WHITE®**



**NIGHT SKY®**



**WOODLAND GREY®**

**NOTES:**

FIRMLOK® structural beams are made from COLORBOND® steel with a High Gloss finish. The posts are powdercoated to match the High Gloss COLORBOND® steel colours indicated.

Underside colour on double sided roof sheeting supplied with a High Gloss finish. An extended colour range may be available in some regions. Colour availability for each roofing profile, FIRMLOK® beams and posts varies by region. Contact your distributor or local Lysaght branch for colour availability in your area.

The COLORBOND® steel colours shown in this brochure have been reproduced to represent actual product colours as accurately as possible. However we recommend checking your chosen colour against an actual sample of the product before purchasing as varying light conditions and limitations of the printing process may affect colour tones.

# COMPONENTS

It's what goes into LYSAGHT® Kitted Structures that ensures you get the best out of them.

## ROOFING CHOICES

LYSAGHT® roofing is made from durable COLORBOND® and ZINCALUME® steel and offers a range of profiles, in a wide variety of COLORBOND® steel colours, to complement any architecture.

### LYSAGHT CUSTOM ORB®

The famous Lysaght corrugated profile, LYSAGHT CUSTOM ORB® roofing is equally at home with traditional and contemporary design. A long, wide, strong, lightweight and economical profile which can be quickly and easily aligned, LYSAGHT CUSTOM ORB® roofing offers outstanding value.



### LYSAGHT SPANDEK®

The contemporary-looking, trapezoidal profile of LYSAGHT SPANDEK® roofing is ideal where a stronger, bolder and more modern corrugated appearance is required. Combining strength with lightness and rigidity, LYSAGHT SPANDEK® roofing is a durable, impact-resistant and economical roofing choice.



### LYSAGHT TRIMDEK®

LYSAGHT TRIMDEK® roofing is a subtle square-fluted profile which 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.

### LYSAGHT FLATDEK®

The attractive underside of LYSAGHT FLATDEK® roofing features uninterrupted lines and a premium high gloss finish that makes it perfect for use on all outdoor kitted structures. Its unique profile provides a clean appearance with maximum flat area giving it a quality ceiling-like appearance.



## STRUCTURAL BEAMS

### LYSAGHT FIRMLOK® STRUCTURAL BEAMS

Consisting of two interlocking C-sections, LYSAGHT FIRMLOK® structural beams are light, strong and universal in their application. Uniform in quality, LYSAGHT FIRMLOK® structural beams ensure consistent straightness that simplifies alignment and installation.

Available in three sizes (100mm, 150mm & 200mm) to suit your application and aesthetic preference, these versatile steel structural beams don't warp, split or need painting, making maintenance easy throughout their service life.



F100

F150

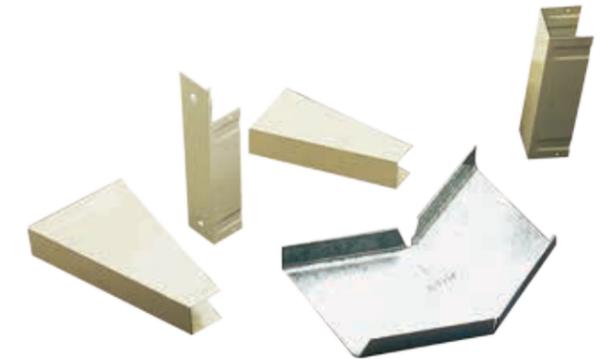
F200

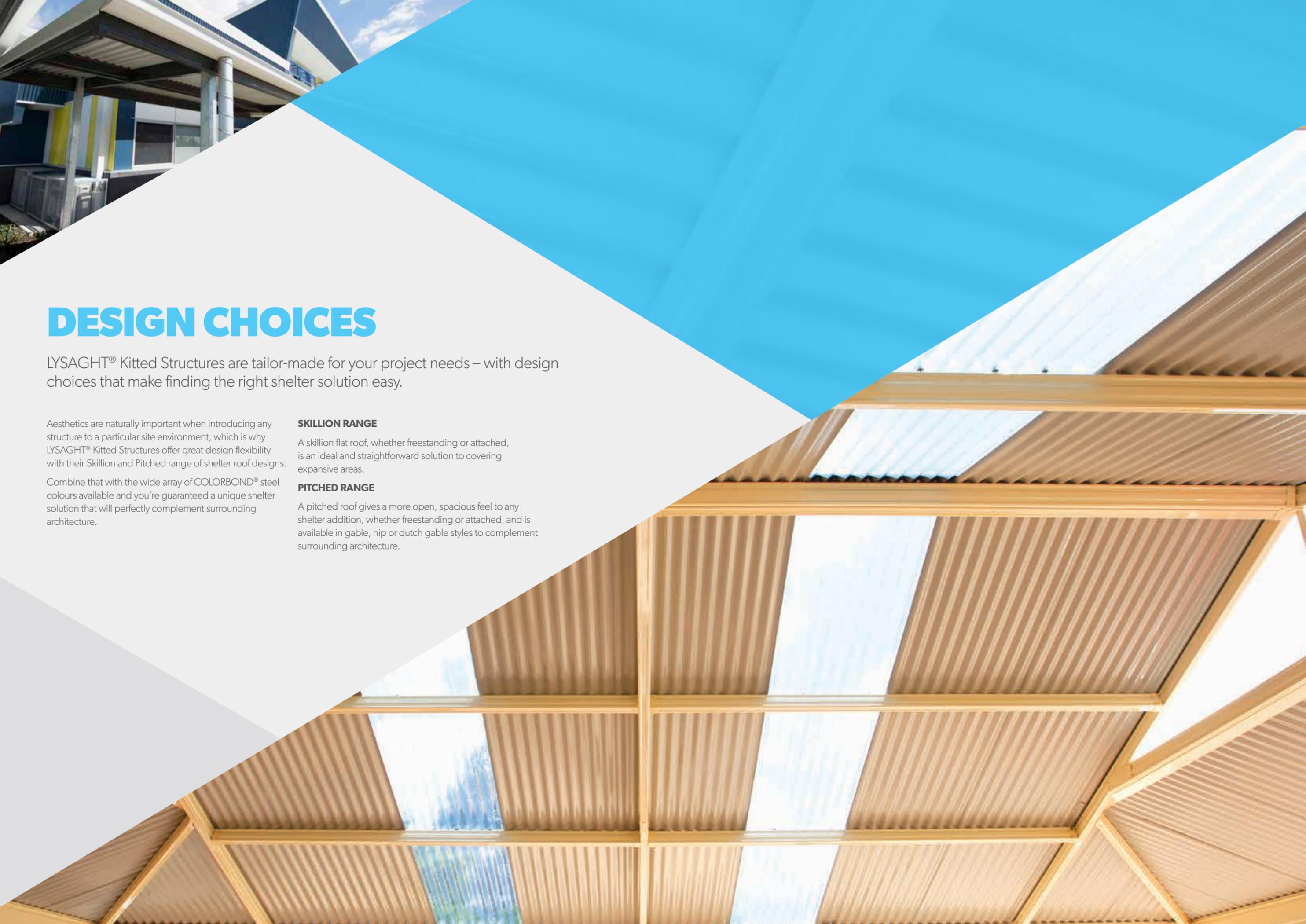
## CONNECTORS AND BRACKETS

### LYSAGHT SMARTPARTS™ CONNECTORS

They're called SmartParts™ - and that's exactly what they are; the nearly 300 cleverly engineered connectors and brackets which ensure the structural integrity and precision construction of your LYSAGHT® Kitted Structure while reducing installation time and costs.

These fully engineered and tested components are pre-welded and pre-drilled to maximise assembly accuracy and minimise construction time, making it easy for your building contractor to follow the comprehensive installation guide supplied with your LYSAGHT® Kitted Structure.





## DESIGN CHOICES

LYSAGHT® Kitted Structures are tailor-made for your project needs – with design choices that make finding the right shelter solution easy.

Aesthetics are naturally important when introducing any structure to a particular site environment, which is why LYSAGHT® Kitted Structures offer great design flexibility with their Skillion and Pitched range of shelter roof designs.

Combine that with the wide array of COLORBOND® steel colours available and you're guaranteed a unique shelter solution that will perfectly complement surrounding architecture.

### **SKILLION RANGE**

A skillion flat roof, whether freestanding or attached, is an ideal and straightforward solution to covering expansive areas.

### **PITCHED RANGE**

A pitched roof gives a more open, spacious feel to any shelter addition, whether freestanding or attached, and is available in gable, hip or dutch gable styles to complement surrounding architecture.

FOR YOUR NEAREST SUPPLIER VISIT:

**WWW.LYSAGHT.COM**

FOR TECHNICAL ENQUIRIES  
CALL 1800 641 417

LYSAGHT®, CUSTOM ORB®, SPANDEK®, TRIMDEK®, FIRMLOK®,  
FLATDEK®, COLORBOND® and ® colour names are registered trade  
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made by BlueScope Steel Limited trading as Lysaght.



**BLUESCOPE**

**Colorbond®**



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