

SELECTION GUIDE



Structural Solutions



Roofing & Walling Solutions



House Framing Solutions



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YOUR TOTAL BUILDING SOLUTIONS PROVIDER

BlueScope Lysaght is one of Asia's largest rollformers that is dedicated to manufacture, supply and installation of top quality and intensive processed steel building products with a legacy of more than 135 years worldwide and 50 years in Asia.

The company comes under the umbrella of BlueScope Steel, one of the world's leading steel solutions providers with offices and operations in 17 countries and strength of more than 21,000 employees.

BlueScope Lysaght offers an extensive range of building solutions for roofing and walling, structural decking, rainwater goods, pre-engineered building systems and steel framing systems under its LYSAGHT® brand.

The LYSAGHT® brand is synonymous with producing high quality steel building components that are part of Asia's built environment. BlueScope Lysaght's portfolio, ranging from cutting-edge architecture, landmark projects, utility buildings for industrial, commercial and residential applications is a testament of its enduring reputation as a building solutions provider.

Products backed by Research & Development in world-class laboratory

Behind every solution, lies a commitment of continuous research and development as well as innovation to ensure that LYSAGHT® products stay at the forefront of technology through stringent quality control and testing procedures.

With a LYSAGHT® solution, there is an assurance that they are stringently tested in BlueScope Lysaght Technology Centre, the company's world class National Association of Testing Authorities (NATA) registered laboratory.

LYSAGHT® products are manufactured under strict process governed by ISO9001:2015 Quality Management System and ISO14001 Environment Management System.

Solutions based on Partnership

With decades of experience, BlueScope Lysaght possesses the competence and expertise to assist customers with the design and construction of projects.

The company has an advantageous position of tapping on the resources from its network all over the region to tailor-fit or trouble shoot customers' building requirements.

With quality and services being the focus, BlueScope Lysaght will maintain its market leadership, giving confidence to its customers and partners in an increasingly competitive market.

Ikea Cheras, Selangor
LYSAGHT® HR-29® OPTIMA™

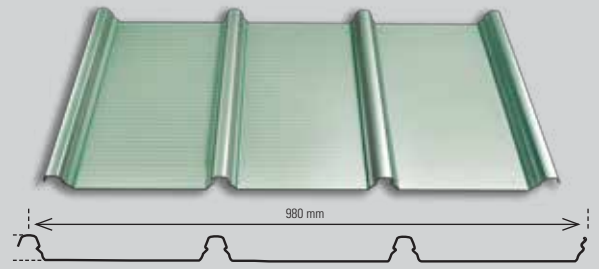


IKEA
Kelengkapan rumah

ROOFING & WALLING SOLUTIONS

LYSAGHT® KLIP-LOK® OPTIMA™

Concealed fix, fluted pan profile



LYSAGHT® KLIP-LOK® OPTIMA™ IS A STRONG, DURABLE AND VERSATILE LONG LENGTH ROOFING AND WALLING PROFILE. IT COMBINES THE STRENGTH OF STEEL, SMART FLUTED PANS AND A LOCK-ACTION RIB DESIGN AND CONCEALED FASTENING TO ALLOW APPLICATION ON LOW PITCHED ROOFS . IT IS ALSO SUITABLE FOR WALLING BOTH HORIZONTAL AND VERTICAL INSTALLATION.

The profile has an effective cover width of 980mm and a rib height of 43mm.

APPLICATIONS

The profile can be used for any roofing and walling, fascia and soffit. The straight lines of the roof remain clean and smooth with its positive concealed clip fixing with no exposed fasteners.

	STANDARD		STANDARD		NON STANDARD	
THICKNESS						
Base Metal Thickness (BMT) in mm	0.42		0.48		0.60	
Total Coated Thickness (TCT) in mm	0.47		0.53		0.65	
Effective coverage width (mm)	980		980		980	
Rib Depth (mm)	43		43		43	
	ZINCALUME® steel	COLORBOND® steel	ZINCALUME® steel	COLORBOND® steel	ZINCALUME® steel	COLORBOND® steel
MASS						
Mass per unit area kg/m ²	4.32	4.39	4.90	4.98	6.08	6.15
Mass per unit length kg/m	4.23	4.30	4.80	4.87	5.95	6.02
MAXIMUM ALLOWABLE SUPPORT SPACINGS (NON-CYCLONIC AREA)						
Roof application						
Single span (mm)	850		1000		1500	
End span (mm)	900		1200		1500	
Internal span (mm)	1450		2200		3000	
Overhang (mm)						
- Unstiffened	150		200		250	
- Stiffened	450		500		550	
Wall application						
Single span (mm)	1550		2000		2500	
End span (mm)	1550		2300		2700	
Internal span (mm)	2700		2300		3600	
Overhang (mm)	150		200		250	
MINIMUM PITCH						
Sheet length					2° (1 in 30 approx.)	
Grade of steel					G550 (550N/mm ² yield strength)	
Coating class (min.)					AZ150	

*National Cancer Institute,
Putrajaya*

*Zublin Precast Factory,
Bukit Tinggi, Johor*

INSTITUT
KANSER NEGARA

*Design Village Outlet Mall,
Penang*

*S2 Heights Taman Saujana Semi-Detached
House, Negeri Sembilan*

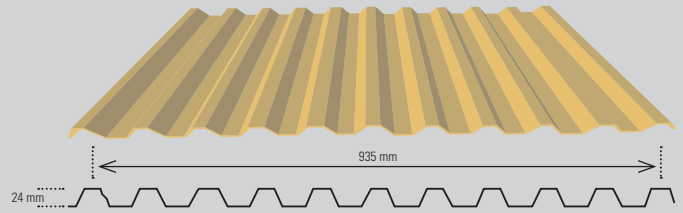
PRODUCT BENEFITS

- CONCEALED FIXING METHOD (NO VISIBLE SCREW HEADS, NO PIERCING OF SHEETING REDUCING POSSIBILITY OF LEAKS).
- TOTAL LEAK-PROOF AND AESTHETIC SOLUTION.
- CONFORMITY TO INTERNATIONAL BUILDING CODES AND STANDARDS.
- EXCELLENT WIND RESISTANCE.
- LIGHTWEIGHT YET EXCEPTIONAL STRENGTH.
- ALL WEATHER PERFORMANCE.
- GENUINE LYSAGHT® MATERIAL WARRANTY AND PRODUCT CERTIFICATION.

ROOFING & WALLING SOLUTIONS

LYSAGHT® SPANDEK® OPTIMA™

Trapezoidal steel cladding



LYSAGHT® SPANDEK® OPTIMA™ IS A TOUGH, SYMMETRICAL TRAPEZOIDAL RIBBED ROOFING AND WALL CLADDING PROFILE, IDEAL WHERE A STRONGER, BOLDER AND MORE MODERN CORRUGATED APPEARANCE IS REQUIRED.

LYSAGHT® SPANDEK® OPTIMA™ capitalizes on buildings which permits wider purlin spacings and utilizes fewer fasteners. Its rigid trapezoidal ribs make it an excellent choice among designers for contemporary roof and wall cladding designs.

It can be *sprung curved if the curvature falls between 20m and 60m. When used for wall cladding, the trapezoidal ribs can run vertically or horizontally. Available in custom cut lengths, it is governed only by transportation considerations.

This profile combines strength with lightness, rigidity and economy.

TYPICAL APPLICATIONS

- Fascia
- Feature wall
- Internal ceiling
- Soffit

	STANDARD		NON STANDARD	
THICKNESS				
Base Metal Thickness (BMT) in mm	0.42		0.48	
Total Coated Thickness (TCT) in mm	0.47		0.53	
Effective coverage width (mm)	935		935	
Rib Depth (mm)	24		24	
	ZINCALUME® steel	COLORBOND® steel	ZINCALUME® steel	COLORBOND® steel
MASS				
Mass per unit area kg/m ²	4.52	4.60	5.13	5.21
Mass per unit length kg/m	4.23	4.30	4.80	4.87
MAXIMUM ALLOWABLE SUPPORT SPACINGS (NON-CYCLONIC AREA)				
Roof application				
Single span (mm)	1500		2200	
End span (mm)	2100		2400	
Internal span (mm)	2300		3300	
Overhang (mm)				
- Unstiffened	200		250	
- Stiffened	450		500	
Wall application				
Single span (mm)	2200		2300	
End span (mm)	3100		3200	
Internal span (mm)	3300		3300	
Overhang (mm)	150		150	
MINIMUM PITCH				
Sheet length	3° (1 in 20 approx.)			
Grade of steel	G550 (550N/mm ² yield strength)			
Coating class (min.)	AZ150			

*The Seed Residential,
Johor*



*Aman Kiara, Mont Kiara,
Kuala Lumpur*



*Wall application,
project in Australia*



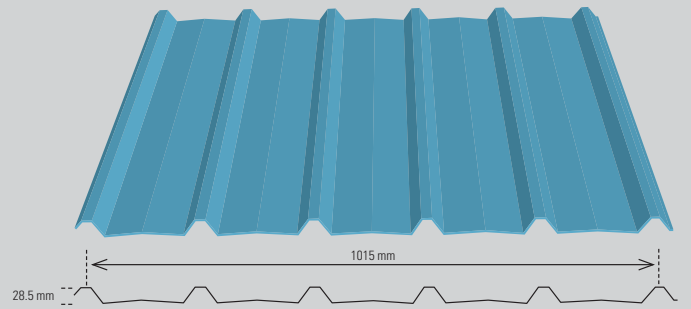
PRODUCT BENEFITS

- COMBINES STRENGTH WITH LIGHTNESS, RIGIDITY AND ECONOMY.
- TRAPEZOIDAL RIBS CAN BE RUN VERTICALLY OR HORIZONTALLY.
- SNUG RESTING OF RIBS ENSURES NEAT SIDE LAP.
- CONFORMITY TO INTERNATIONAL BUILDING CODES AND STANDARDS.
- EXCELLENT WIND RESISTANCE.
- LIGHTWEIGHT YET STRONG.
- GENUINE LYSAGHT® MATERIAL WARRANTY AND PRODUCT CERTIFICATION.

ROOFING & WALLING SOLUTIONS

LYSAGHT® TRIMDEK® OPTIMA™

Subtle square fluted steel cladding



LYSAGHT® TRIMDEK® OPTIMA™ IS A SUBTLE SQUARE FLUTED ROOFING AND WALLING PROFILE. THE FLUTING IN THE PANS PROVIDES STRENGTH AND LONG SPANNING CAPABILITIES, MAKING IT ONE OF THE MORE ECONOMICAL LYSAGHT® PROFILES.

LYSAGHT® TRIMDEK® OPTIMA™ has bold, widely spaced ribs and is available in long lengths, governed only by transportation considerations.

LYSAGHT® CRIMP CURVED TRIMDEK® OPTIMA™ is available in both convex and concave shapes to provide versatility and creativity to building designs.

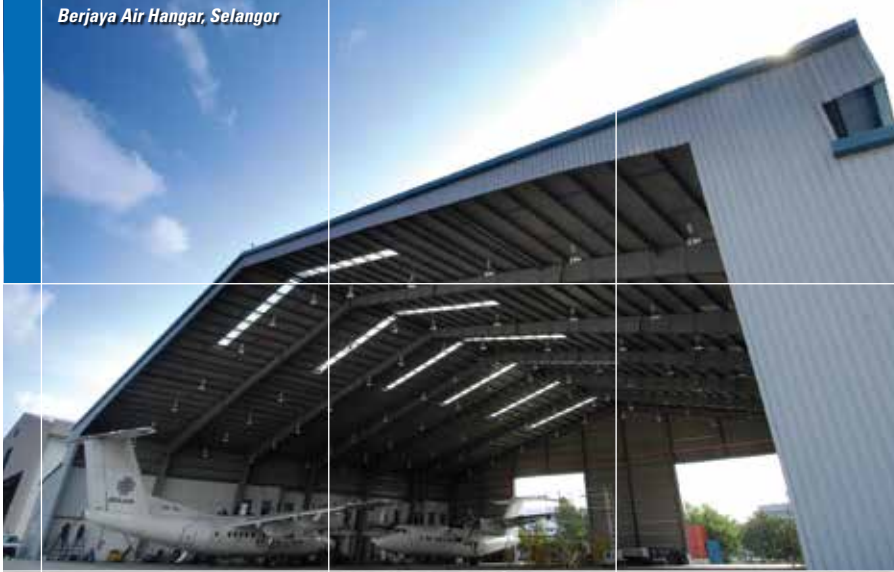
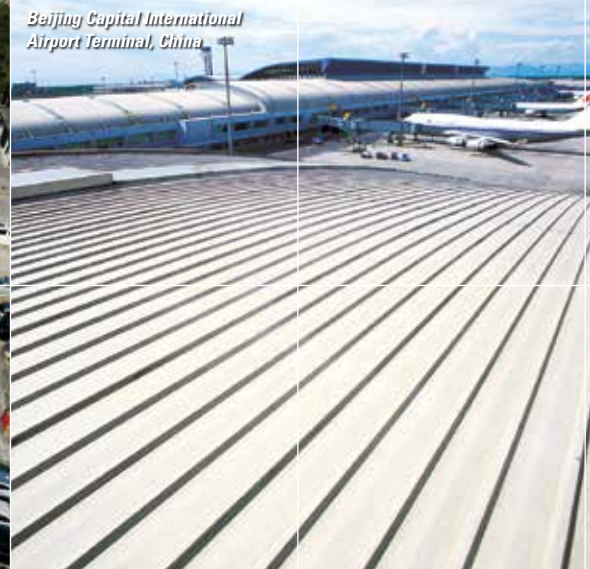
The minimum radius of curvature must be at least 450mm for convex and 550mm for concave to underside or pan of sheet.

Custom-cut lengths are available at any measurement to a maximum transportable length.

TYPICAL APPLICATIONS

- Roof
- Wall
- Fascia
- Feature wall
- Fencing
- Internal ceiling
- Soffit

	STANDARD		NON STANDARD	
THICKNESS				
Base Metal Thickness (BMT) in mm	0.42		0.48	
Total Coated Thickness (TCT) in mm	0.47		0.53	
Effective coverage width (mm)	1015		1015	
Rib Depth (mm)	28.5		28.5	
MASS	ZINCALUME® steel	COLORBOND® steel	ZINCALUME® steel	COLORBOND® steel
Mass per unit area kg/m ²	4.16	4.24	4.73	4.80
Mass per unit length kg/m	4.23	4.30	4.80	4.87
MAXIMUM ALLOWABLE SUPPORT SPACINGS (NON-CYCLONIC AREA)				
Roof application				
Single span (mm)	1200		1600	
End span (mm)	1900		2100	
Internal span (mm)	2500		3000	
Overhang (mm)				
- Unstiffened	150		150	
- Stiffened	250		250	
Wall application				
Single span (mm)	2200		2300	
End span (mm)	2500		2700	
Internal span (mm)	3300		3300	
Overhang (mm)	150		150	
MINIMUM PITCH				
Sheet length	3° (1 in 20 approx.)			
Grade of steel	G550 (550N/mm ² yield strength)			
Coating class (min.)	AZ150			

Berjaya Air Hangar, Selangor*The Frontier Industrial Park, Johor**BMW Showroom, Johor**Beijing Capital International Airport Terminal, China*

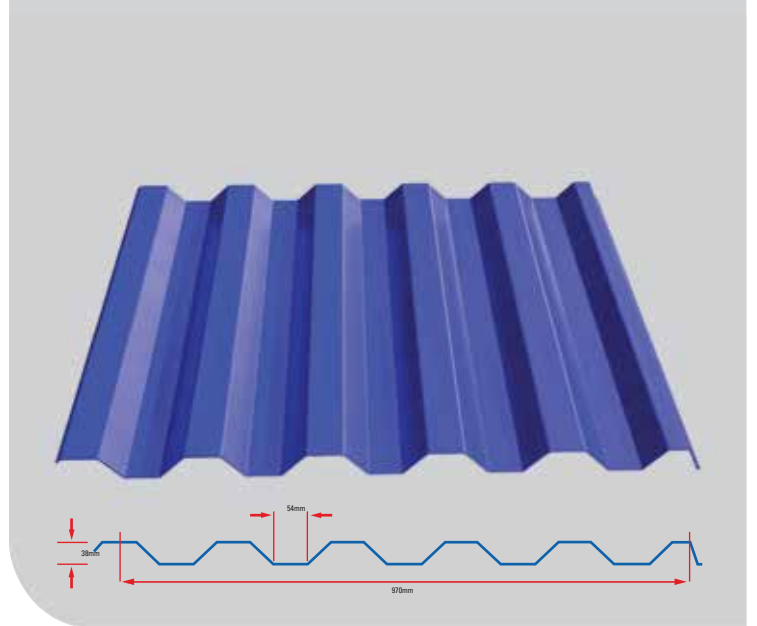
PRODUCT BENEFITS

- EXCELLENT WIND RESISTANCE.
- FIX WITH EASE AND SPEED.
- DUE TO ITS STRENGTH, SPANNING ABILITY, LIGHTNESS AND RIGIDITY, WIDE SUPPORT SPACINGS CAN BE USED SAFELY.
- SUPERIOR AGAINST SEVERE RAINFALL INTENSITY.
- GENUINE LYSAGHT® MATERIAL WARRANTY AND PRODUCT CERTIFICATION.

ROOFING & WALLING SOLUTIONS

LYSAGHT® HR-29® OPTIMA™

LYSAGHT® HR-29® OPTIMA™ IS A PIERCE-FASTENED ROOFING AND WALLING SYSTEM THAT IS SUITABLE FOR BOTH CLASSICAL AND CONTEMPORARY ARCHITECTURE. IT CAN BE ROLLFORMED TO FIT BUILDING DESIGNS THAT ARE EITHER PITCHED OR SPRUNG CURVED.



	STANDARD		NON STANDARD	
THICKNESS				
Base Metal Thickness (BMT) in mm	0.42	0.60	0.75	
Total Coated Thickness (TCT) in mm	0.47	0.65	0.80	
Effective coverage width (mm)	970	970	970	
Rib Depth (mm)	38	38	38	
MASS				
Mass per unit area kg/m ²	4.43	6.21	7.69	
MIN ROOF PITCH*	2° (1 in 30 approx.)			
Grade of Steel	G550 (550N/mm ² yield strength)			
Coating Class (min.)	AZ150			



PRODUCT BENEFITS

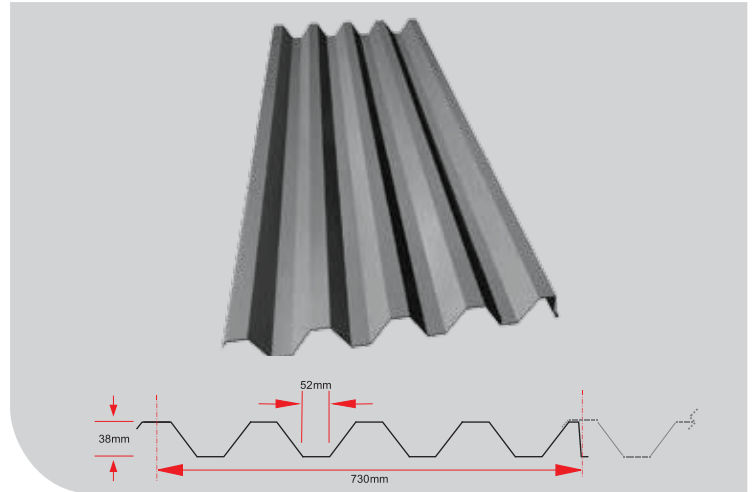
- FAST AND EASY INSTALLATION.
- HIGH RIBS PROVIDE EXCELLENT STIFFNESS.
- GREATER SPANNING CAPABILITY.
- EXCELLENT RAINWATER DRAINAGE CAPABILITY.
- A RANGE OF STEEL FINISHES, THICKNESS AND COLORS TO ACCOMMODATE DIFFERENT APPLICATION AND NEEDS.
- GENUINE LYSAGHT® MATERIAL AND PRODUCT WARRANTY.

ROOFING & WALLING SOLUTIONS

LYSAGHT® HR-29®

A PIERCE-FASTENED ROOFING AND WALLING SYSTEM THAT IS SUITABLE FOR BOTH CLASSICAL AND CONTEMPORARY ARCHITECTURE. IT CAN BE ROLLFORMED TO FIT BUILDING DESIGNS THAT ARE EITHER PITCHED OR SPRUNG CURVED.

LYSAGHT® HR-29® can also be sprung curved to accommodate large span roofs as an added feature.



Due to its pierce-fastened system, LYSAGHT® HR-29® profile is fast and easy to install providing savings in construction time and installation cost. Its on-site rollforming option enables ease of installation and allows longer lengths to be produced.

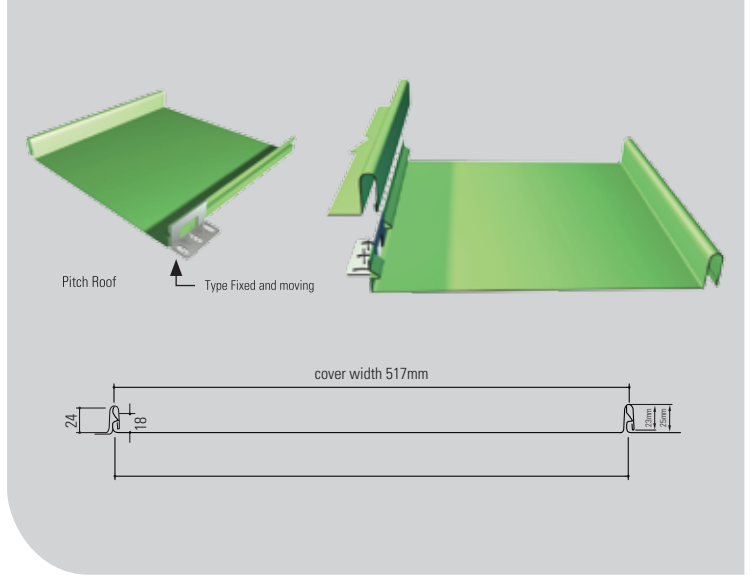
The high rib depth of LYSAGHT® HR-29® provides excellent stiffness that optimises the purlins spanning capacity while reducing the amount of purlins used.

	STANDARD	NON STANDARD	
THICKNESS			
Base Metal Thickness (BMT) in mm	0.42	0.55	0.75
Total Coated Thickness (TCT) in mm	0.47	0.60	0.80
Effective coverage width (mm)	730	730	730
Rib Depth (mm)	38	38	38
MASS			
Mass per unit area kg/m ²	4.54	5.86	7.88
MAXIMUM ALLOWABLE SUPPORT SPACINGS			
Roof application			
Single span (mm)	-	1500	2100
End span (mm)	1700	2100	3800
Internal span (mm)	2200	3100	4600
Overhang (mm)			
- Unstiffened	150	200	250
- Stiffened	300	350	400
Wall application			
Single span (mm)	3600	3600	3600
End span (mm)	3900	3900	3900
Internal span (mm)	4500	4500	4500
MIN ROOF PITCH*	2° (1 in 30 approx.)		
Grade of Steel Coating Class (min.)	G550 (550N/mm ² yield strength) AZ150		

ROOFING & WALLING SOLUTIONS

LYSAGHT® 360 SELECT SEAM® 25

Concealed fastened roof system



THE DISTINCTIVELY GOOD LOOKING LYSAGHT® 360 SELECT SEAM® 25 IS A CONCEALED FASTENED ROOF SYSTEM THAT IS VERSATILE FOR BOTH VERTICAL AND INCLINE APPLICATIONS. IT IS ESPECIALLY FLEXIBLE FOR DIFFICULT HIP AND MANSARD ROOFS.

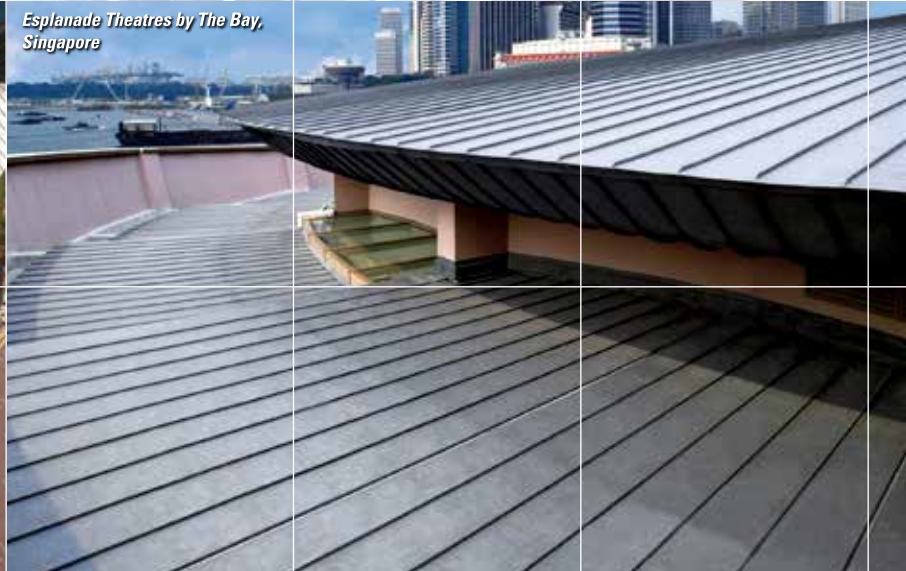
LYSAGHT® 360 SELECT SEAM® 25 has a narrow snap on rib that simulates traditional standing seam profile suitable for non-industrial projects. Continuous ribbed lines can be beautifully achieved over multiple changes in roof pitch. The recommended minimum roof pitch is 7.5°.

Sleek and aesthetically pleasing standing seam roof profiles from LYSAGHT® roofing and walling solutions are known for form and function attributes, which has made countless popular applications in residential, institutional and commercial roofing projects. Minimum accessories are needed to install the roofing sheets with ease.

APPLICATIONS

LYSAGHT® standing seam roofing profiles are widely used in roof, wall and fascia applications with capability to form both straight and curved roof with classic and sleek pitch.

	STANDARD COLORBOND® steel
THICKNESS Base Metal Thickness (BMT) in mm Total Coated Thickness (TCT) in mm	0.55 0.60
MASS Mass per unit area kg/m ²	5.481
Cover Width Height of Seam Roof Pitch (mm) Grade of Steel Metallic Coating	517mm 25mm 7.5° min G300 (300MPa) ZINCALUME® steel (zinc/aluminium alloy coated steel)
RECOMMENDED RADIUS FOR LYSAGHT® 360 SELECT SEAM® 25 PROFILE	
ROOF PITCH Minimum Roof Pitch	7.5°
Grade of steel Coating class (min.)	G300 (300N/mm ² yield strength) AZ150
Maximum length available	14.0m (local) 11.8m (export)

Underwater World, Langkawi*SKS Headquarters, Brunei**Joo Seng Burlap, Singapore**Esplanade Theatres by The Bay, Singapore*

PRODUCT BENEFITS

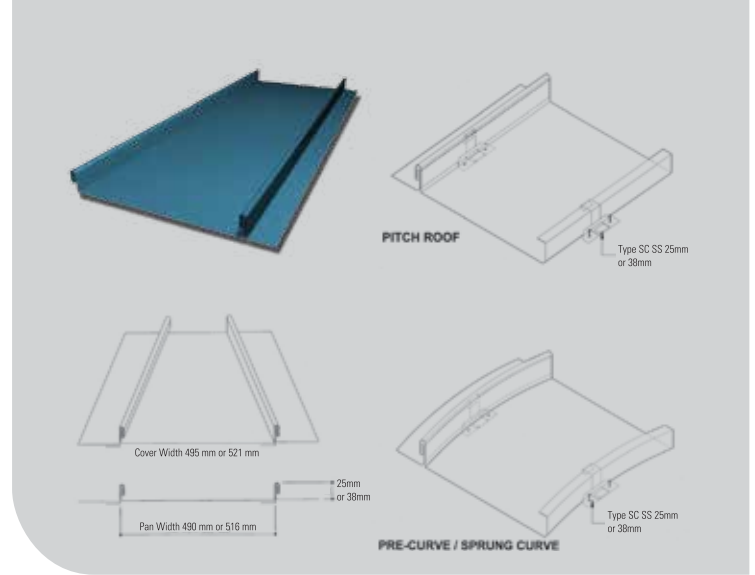
- IDEAL FOR ARCHITECTURAL STEEL ROOFING.
- ECONOMICAL VERSION OF STANDING SEAM ROOF.
- EASY TO INSTALL WITH MINIMUM ACCESSORIES.
- CONCEAL-FIXED SYSTEM.
- EXTREMELY HIGH-PERFORMANCE SNAP-ON PROFILE
- TRADITIONAL STANDING SEAM PANEL AESTHETICS
- EXCELLENT SEAL AT SEAM HEIGHT OF 25MM
- DOES NOT REQUIRE A PRE-FORMED BATTEN
- EASY TO FIX AND INSTALL
- UTILIZED IN ROOFING, MANSARDS AND FASCIA APPLICATIONS
- SUPERIOR FLATNESS
- GREATER WORKABILITY ON SITE
- RECOMMENDED MINIMUM ROOF PITCH IS 7.5° (FOR ROOFING SHEET WITHOUT CAPPING)

Note: Flat metal surfaces will display waviness commonly referred to as oil canning. This is caused by steel mill tolerances and is a characteristic, not a defect, of panels manufactured from light gauge metal. Oil canning will not be accepted as a cause for rejection.

ROOFING & WALLING SOLUTIONS

LYSAGHT® 360 SEAM® 25 or 38

Flat pan, concealed-fix roofing



LYSAGHT® 360 SEAM® 25 or 38 IS A STANDING SEAM ROOF SYSTEM THAT CAN BE USED ON PITCHED, CURVED AND TAPERED ROOF FORMS.

The height of the seam is available at 25mm or 38mm with standard cover width of 495mm or 521mm. The seams are mechanically field seamed in Double Lock (360°) producing a strong and water tight joint.

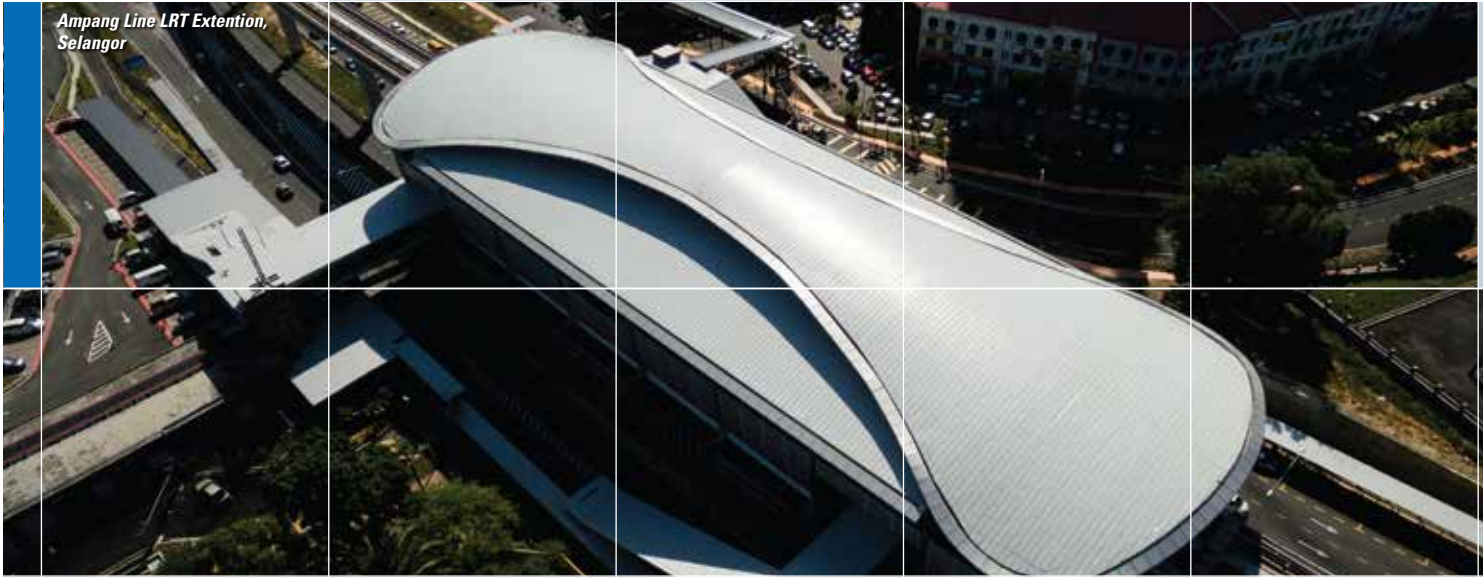
APPLICATIONS

Its specially-designed height of the standing seam contributes to the lightness and regularity of the roofing in its architectural function, particularly when used on more complex shapes, giving them a distinctive 'high-tech' appearance. A distinguished minimalism and simplicity effect can be achieved when used on more complex roof architecture.

	STANDARD	
	COLORBOND® steel	COLORBOND® steel
THICKNESS		
Base Metal Thickness (BMT) in mm	0.55	0.55
Total Coated Thickness (TCT) in mm	0.60	0.60
Effective coverage width (mm)	521	495
Pan width (mm)	516	490
Seam Height (mm)	25	38
MASS		
Mass per unit area kg/m ²	5.21	5.48
RECOMMENDED RADIUS FOR LYSAGHT® 360 SEAM® 25 OR 38 PROFILE		
SHEET PROFILE	Minimum Radius (mm)	Maximum Radius (mm)
Pre-curve	1500	1500
Sprung curve	30,000	30,000
ROOF PITCH		
Minimum Roof Pitch	3°	
Maximum length available	As per the length rolled on site	
Grade of steel	G300 (300N/mm ² yield strength)	
Coating class (min.)	AZ150	

*Note : For non-standard widths, please refer to BlueScope Lysaght for special project specifications.

*Ampang Line LRT Extension,
Selangor*



*Malaysian Academy of
Han Studies, Melaka*



*Lakeside Primary School,
Singapore*



PRODUCT BENEFITS

- EXCELLENT WATER TIGHTNESS.
- EXCLUSIVE SEAMING PROCESS.
- WIDE CHOICE OF STEEL WITH DIFFERENT FINISHES.

Note: Flat metal surfaces will display waviness commonly referred to as oil canning. This is caused by steel mill tolerances and is a characteristic, not a defect, of panels manufactured from light gauge metal. Oil canning will not be accepted as a cause for rejection.

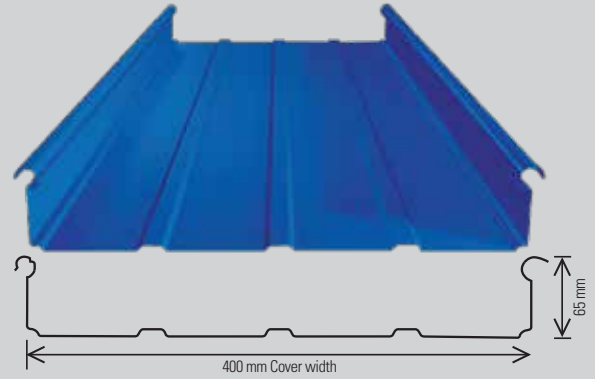
ROOFING & WALLING SOLUTIONS

**LYSAGHT®
ZIPDEK®**

High-ribbed standing seam roofing and walling system

LYSAGHT® ZIPDEK® IS HIGH-RIBBED STANDING SEAM ROOFING PROFILE THAT IS SET TO MEET THE REQUIREMENTS AND SPECIFICATIONS OF ARCHITECTURALLY DEMANDING APPLICATIONS.

A concealed-fixed roofing profile, its versatility allows it to be used on straight, roof forms. In addition, LYSAGHT® ZIPDEK® can be customised to suit a variety of roofs, from pitched to curved (pre-curved and sprung-curved) and tapered designs to meet increasingly sophisticated roof geometries demanded of designers today. Its high-ribbed profile provides excellent rain water drainage capacity.

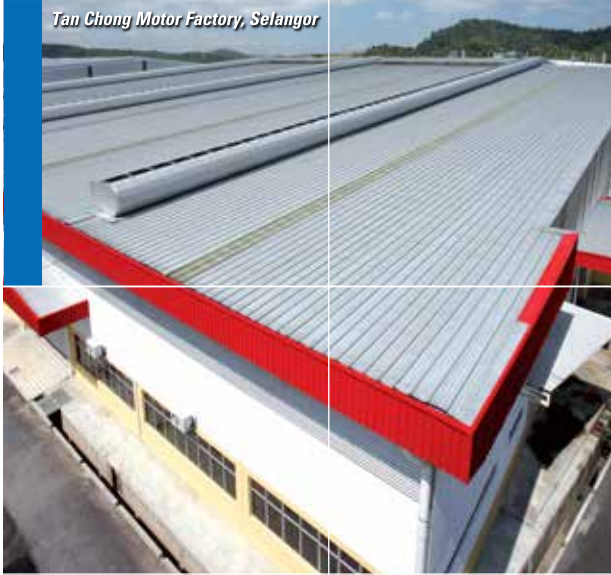


LYSAGHT® ZIPDEK® can be used as a single or double skin roof depending on the acoustic requirements of the building. Its lightweight design is available in wide range of widths and lengths of up to 100 metres and can be rolled on site.

APPLICATIONS

Ideal for modern building facades and imaginative roof landscapes. It is suitable for large commercial, institutional and infrastructural roofing that require large roof spans.

	STANDARD	
THICKNESS Base Metal Thickness (BMT) in mm Total Coated Thickness (TCT) in mm	0.55 0.60	
Effective coverage width (mm) Rib Depth (mm)	400 65	
MASS Mass per unit area kg/m ² Mass per unit length kg/m Coverage m ² /tonne	ZINCALUME® steel	COLORBOND® steel
	6.51 2.60 154	6.59 2.64 152
MAXIMUM ALLOWABLE SUPPORT SPACINGS (NON-CYCLONIC AREA) Roof application End span (mm) Internal span (mm) Wall application End span (mm) Internal span (mm)	1800 2050 2050 2500	
ROOF PITCH Minimum Recommended Pitch	1°	
Maximum length available	As per the length rolled on site	
Grade of steel Coating class (min.)	G300 (300N/mm ² yield strength) AZ150	

Tan Chong Motor Factory, Selangor*The Promenade Shopping Center, Thailand**Zuellig Pharma, Selangor**NUS High School, Singapore*

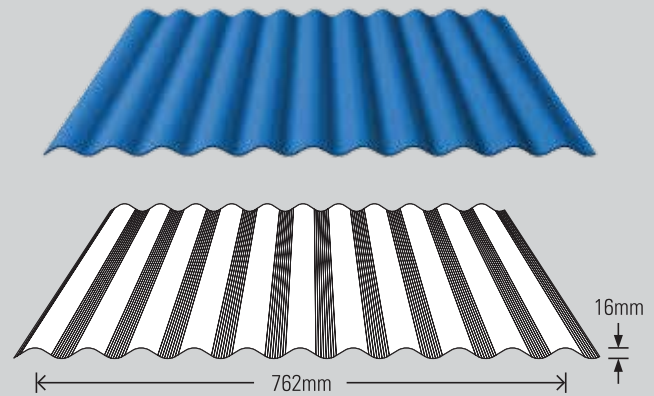
PRODUCT BENEFITS

- LIGHTWEIGHT TO STRENGTH RATIO.
- STRUCTURAL ROOFING STRENGTH.
- EXCELLENT RAIN WATER DRAINAGE CAPACITY.
- CAN BE USED AS A SINGLE SKIN ROOF.

ROOFING & WALLING SOLUTIONS

LYSAGHT® CUSTOM ORB®

Tough and versatile corrugated profile



LYSAGHT® CUSTOM ORB® IS A TOUGH AND VERSATILE CORRUGATED PROFILE WHICH OFFERS FLEXIBILITY IN DESIGN FOR ROOFING AND WALLING APPLICATIONS FOR INDUSTRIAL, RURAL, COMMERCIAL AND RESIDENTIAL BUILDINGS. IT IS A FAMOUS AUSTRALIAN CORRUGATED PROFILE, EQUALLY AT HOME WITH TRADITIONAL AND CONTEMPORARY DESIGN.

LYSAGHT® CUSTOM ORB® can either be used as typical straight or pitched roof and can be sprung curved between the radius of 12m to 35m for convex curvature, and radius of 10m to 35m for concave curvature.

When used in wall cladding applications, LYSAGHT® CUSTOM ORB® can either run vertically or horizontally. Available in long lengths, it is governed only by transportation considerations.

	STANDARD		NON STANDARD	
THICKNESS				
Base Metal Thickness (BMT) in mm	0.42		0.48	
Total Coated Thickness (TCT) in mm	0.47		0.53	
Effective coverage width (mm)	762			
Rib Depth (mm)	16			
	ZINCALUME® steel	COLORBOND® steel	ZINCALUME® steel	COLORBOND® steel
MASS				
Mass per unit area kg/m ²	4.28	4.35	4.86	4.93
Mass per unit length kg/m	3.26	3.32	3.70	3.76
Coverage m ² /tonne	233	229	205	202
MAXIMUM ALLOWABLE SUPPORT SPACINGS				
Roof application				
Single span (mm)	700		800	
End span (mm)	900		1300	
Internal span (mm)	1200		1700	
Overhang (mm)	- Unstiffened - Stiffened	200 300	250 350	
Sprung Curve Radius (mm)	12000		12000	
Wall application				
Single span (mm)	1800		1800	
End span (mm)	2500		2700	
Internal span (mm)	2700		2700	
Overhang (mm)	200		250	
ROOF PITCH	5° (1 in 12 approx.)			
Minimum Recommended Pitch				
Grade of steel	G550 (550N/mm ² yield strength)			
Coating class (min.)	AZ150			



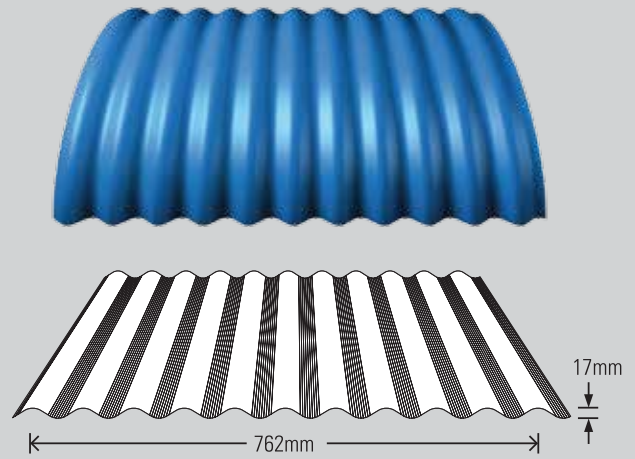
PRODUCT BENEFITS

- LONG, WIDE, STRONG, LIGHTWEIGHT AND ECONOMICAL.
- CAN BE ALIGNED QUICKLY AND EASILY.
- TRADITIONALLY CORRUGATED PROFILE THAT OFFERS HIGH STRENGTH, LIGHTWEIGHT AND EXCELLENT DEFORMATION RESISTANCE.

ROOFING & WALLING SOLUTIONS

LYSAGHT® CUSTOM BLUE ORB®

Corrugated roofing and walling, suitable for curving



THE GENTLY CURVING SHAPE OF THE CLASSIC AUSTRALIAN CURVED ROOF IS REFLECTED IN SOME OF TODAY'S MOST ADVENTUROUS AND DRAMATIC DESIGNS. THE PROFILE THAT ALLOWS THE FINEST EXPRESSION OF THAT STYLE IS THE FAMOUS LYSAGHT® CUSTOM BLUE ORB®.

LYSAGHT® CUSTOM BLUE ORB® is the traditional corrugated roofing profile designed specifically for curving. It is equally at home with both traditional and contemporary designs. It is the perfect match to harmonise with LYSAGHT® CUSTOM ORB®.

Its extra ductility allows for easy curving (both sprung curve and pre-curved by factory machine) without distortion to the profile, and without damage to the finish ('crimp-less curvature').

LYSAGHT® CUSTOM BLUE ORB® is one of the most successful and well-liked roof profiles in the LYSAGHT® range, serving the building industry for more than 135 years now.

	STANDARD		NON STANDARD	
THICKNESS				
Base Metal Thickness (BMT) in mm	0.60		0.80	
Total Coated Thickness (TCT) in mm	0.65		0.85	
Effective coverage width (mm)	762			
Rib Depth (mm)	17			
	ZINCALUME® steel	COLORBOND® steel	ZINCALUME® steel	COLORBOND® steel
MASS				
Mass per unit area kg/m ²	6.02	6.02	7.96	8.03
Mass per unit length kg/m	4.59	4.64	6.06	6.12
Coverage m ² /tonne	209	205	168	166
MAXIMUM ALLOWABLE SUPPORT SPACINGS				
Roof application				
Single span (mm)	700		1600	
End span (mm)	900		1600	
Internal span (mm)	1200		1800	
Overhang (mm)	200		200	
- Unstiffened	300		300	
- Stiffened	9000		9000	
Sprung Curve Radius (mm)				
Wall application				
Single span (mm)	1800		2400	
End span (mm)	2500		3000	
Internal span (mm)	2700		3300	
Overhang (mm)	200		200	
ROOF PITCH				
Minimum Recommended Pitch	5° (1 in 12 approx.)			
Grade of steel	G300 (300N/mm ² yield strength)			
Coating class (min.)	AZ150			

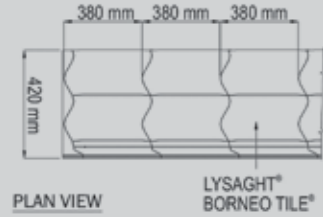


PRODUCT BENEFITS

- LONG, WIDE, STRONG, LIGHTWEIGHT AND ECONOMICAL.
- COMPLICATED CURVE ROOF DESIGNS WITH SMOOTH AND `CRIMPLESS' CURVATURE CAN BE ACHIEVED.
- CURVING QUALITY OF STEEL WHICH CAN BE CURVED INTO A VARIETY OF DESIGNS.
- CAN BE USED FOR BOTH ROOFING AND WALLING APPLICATIONS.

ROOFING & WALLING SOLUTIONS

LYSAGHT®
BORNEO TILE®
Concealed fix steel roof tiles



LYSAGHT® BORNEO TILE® LOOKS AS ELEGANT AS TERRACOTTA ROOF TILES, BUT MOST PEOPLE DO NOT REALISE IT IS MADE OUT OF STEEL! COMBINING ELEMENTS OF STYLE, QUALITY AND EFFICIENCY, THIS INTER-LOCKING CONCEALED-FIX STEEL ROOF TILE IS A RESULT OF YEARS OF RESEARCH AND DEVELOPMENT.

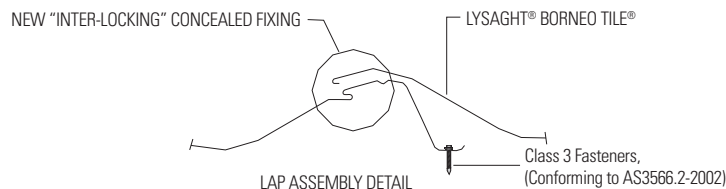
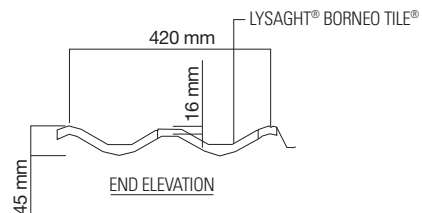
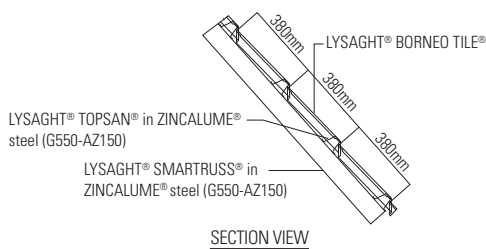
While resembling the aesthetic appearance of terracotta roof tiles, LYSAGHT® BORNEO TILE® is significantly lighter at one-tenth the weight of clay and concrete roof tiles. The lighter roof weight transforms into savings on roof structures as compared to conventional clay and concrete roof tiles.

APPLICATIONS

LYSAGHT® BORNEO TILE® steel roofing tile panels can be used for all types of projects, from bungalows, residential projects and schools, to hospital, institutions and commercial buildings.

The installer-friendly LYSAGHT® BORNEO TILE® makes it one of the more popular choices among contractors, installing LYSAGHT® BORNEO TILE® is proven to be faster and less time consuming than conventional clay and concrete tiles.

	STANDARD
THICKNESS Base Metal Thickness (BMT) in mm Total Coated Thickness (TCT) in mm	0.42 0.47
Effective coverage width (mm) Step Height (mm) Modular Length (mm)	420 16 380
MASS Mass per unit area kg/m ²	5.04
MAXIMUM ALLOWABLE SUPPORT SPACINGS	380
ROOF PITCH Minimum Recommended Pitch	18°
Grade of steel Coating class (min.)	G300 (300N/mm ² yield strength) AZ150





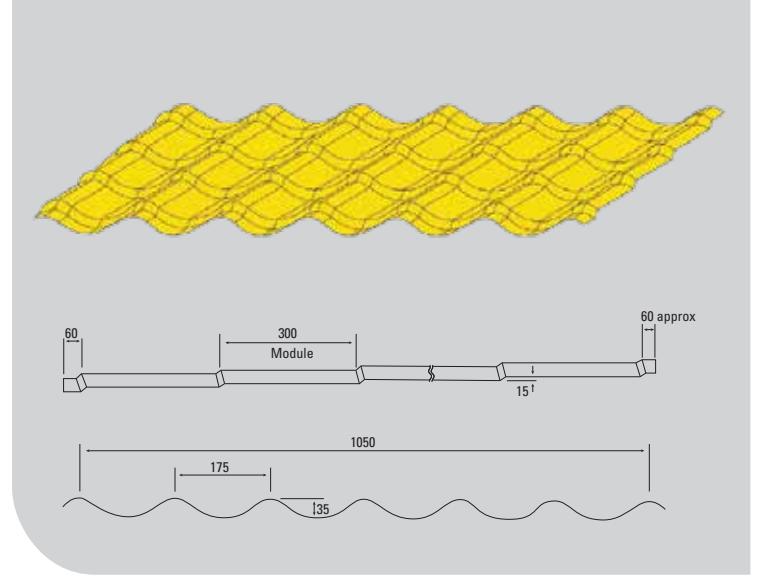
PRODUCT BENEFITS

- SPECIALLY DESIGNED ANTI-CAPILLARY FEATURES AND STATE-OF-THE-ART CONCEALED FIXING SYSTEM.
- UNIQUE TERRACOTTA EMBOSMENT RESEMBLING CLASSIC ROOFTILES.

ROOFING & WALLING SOLUTIONS

LYSAGHT® STYLEDEK® OPTIMA™

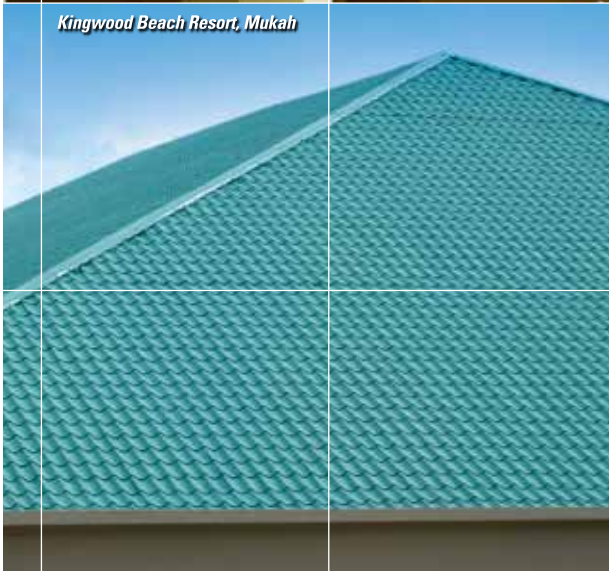
Steel roofing tile panels



LYSAGHT® STYLEDEK® STEEL ROOFING TILE PANELS HAS THE AESTHETIC APPEARANCE OF CONVENTIONAL ROOFING TILES AT ONE-TENTH THE WEIGHT OF CLAY TILES. DEVELOPED IN THE MID 1980S, LYSAGHT® STYLEDEK® HAS GONE THROUGH 3 GENERATIONS OF IMPROVEMENTS, NAMELY LYSAGHT® STYLEDEK®, LYSAGHT® STYLEDEK® II AND NOW LYSAGHT® STYLEDEK® OPTIMA™

LYSAGHT® STYLEDEK® OPTIMA™ is part of the new range of OPTIMA™ series developed using wide coils of 1219mm. The six panel structure of LYSAGHT® STYLEDEK® OPTIMA™ ensure best coverage and optimal installation works without compromising on the water tightness. In addition, LYSAGHT® STYLEDEK® OPTIMA™ panels lower the risk of roof entry burglaries as a result of the reduced possible entry points and the high strength of the steel.

	STANDARD COLORBOND® steel
THICKNESS	
Base Metal Thickness (BMT) in mm	0.42
Total Coated Thickness (TCT) in mm	0.47
Effective width coverage (mm)	1050
Depth of Rib (mm)	35
Step Height (mm)	15
MASS	
Mass per unit area kg/m ²	4.15
MAXIMUM ALLOWABLE SUPPORT SPACINGS	
End Span (mm)	300
Internal Span (mm)	600
ROOF PITCH	
Minimum Recommended Pitch	15°
TOLERANCES	
Length	+0, -15mm
Width	+10, -0mm
PACKING	In strapped bundles of approximately 1 tonne.
CUSTOM CUT LENGTH	The minimum length is 3 modules (1120mm).
Grade of steel	G300 (300N/mm ² yield strength)
Coating class (min.)	AZ150

BDA Quarters, Bintulu*Kuching Polytechnic, Matang**Kingwood Beach Resort, Mukah**Private House, Bintulu*

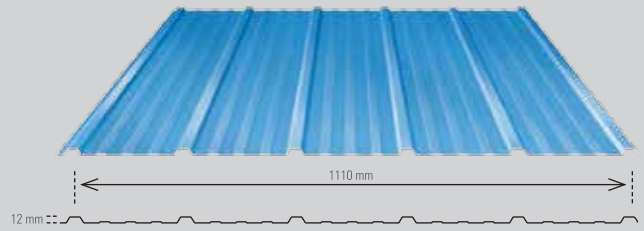
PRODUCT BENEFITS

- SPECIALLY DESIGNED ANTI-CAPILLARY FEATURES AND STATE-OF-THE-ART CONCEALED FIXING SYSTEM.
- UNIQUE TERRACOTTA EMBOSMENT RESEMBLING CLASSIC ROOFTILES.

WALL & CEILING SOLUTIONS

LYSAGHT® MULTICLAD® OPTIMA™

Steel wall cladding with wider span



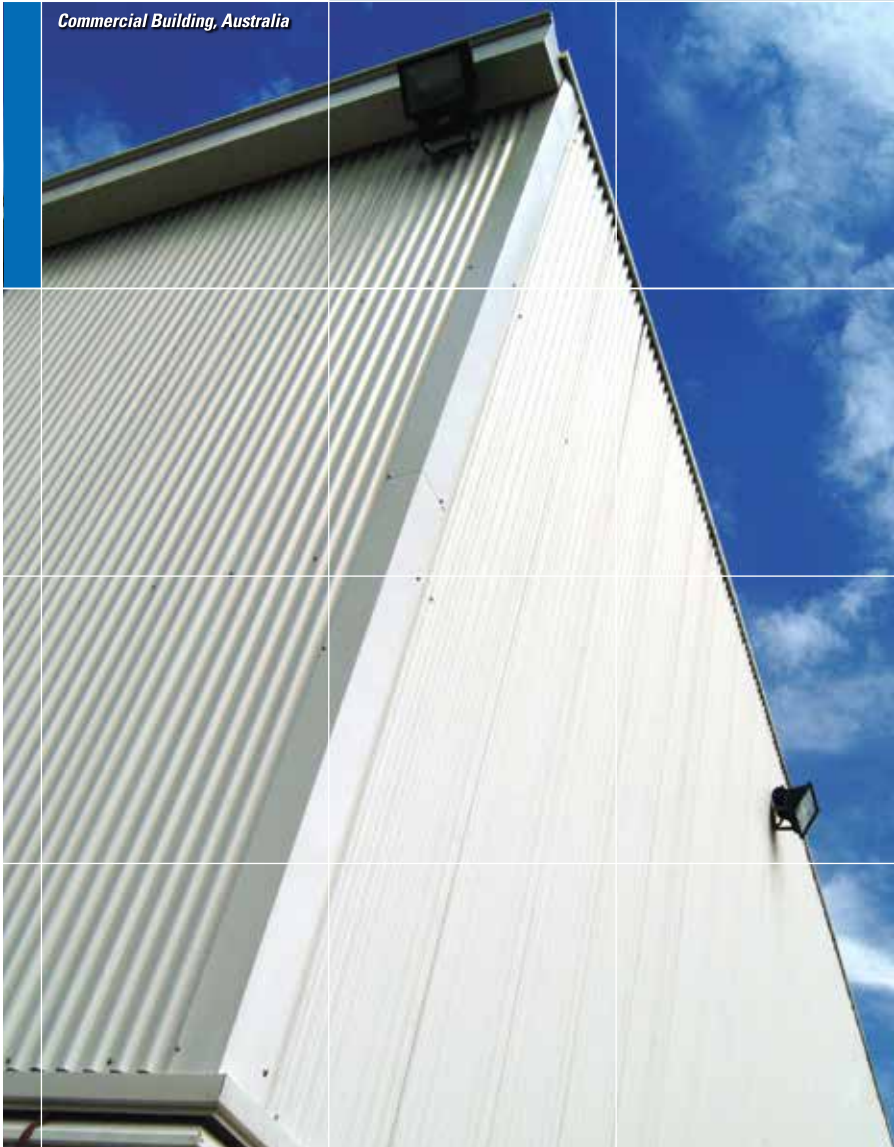
LYSAGHT® MULTICLAD® OPTIMA™ NOW HAS A WIDER SPAN, WHICH MAKES IT EASIER AND EVEN MORE ECONOMICAL TO INSTALL. IT PROVIDES VERSATILE AND AESTHETIC WALLING SOLUTIONS FOR ALL TYPES OF BUILDING; ALSO, IT IS WELL SUITED FOR GARAGES, SCREENS AND FASCIA. THE REMARKABLE STRENGTH AND MULTIFUNCTIONAL USAGE OF LYSAGHT® MULTICLAD® OPTIMA™ CLEARLY ESTABLISHES IT AS THE BEST PROFILE FOR A MULTITUDE OF APPLICATIONS.

LYSAGHT® MULTICLAD® OPTIMA™ is available in an attractive range of colours in COLOROND® steel and in bare ZINCALUME® aluminium/zinc alloy-coated steel.

COLORBOND® steel is available in a full range contemporary colours suitable for all building projects. COLORBOND® steel finish provides superior aesthetic qualities, and COLORBOND® ULTRA steel finish is intended for severe coastal or industrial environments.

ZINCALUME® steel provides a minimum of twice the life of conventional galvanised steel in the same environment.

	STANDARD	
	ZINCALUME® steel	COLORBOND® steel
THICKNESS Base Metal Thickness (BMT) in mm Total Coated Thickness (TCT) in mm	0.42 0.47	0.42 0.47
Effective coverage width (mm) Depth Rib (mm)	1110 12	
MASS Mass per unit area kg/m ² Mass per unit length kg/m	3.81 4.23	3.87 4.30
MAXIMUM ALLOWABLE SUPPORT SPACINGS (NON-CYCLONIC AREA) Roof application Single span (mm) Wind span (mm) Rafter span (mm) Overhang (mm)	1200 1600 1800 150	
LENGTHS Minimum	Lengths are custom cut. Check maximum and minimum with your supplier.	
Grade of steel Coating class (min.)	G550 (550MPa/mm ² yield stress) AZ150	

Commercial Building, Australia*Teknion Factory, Selangor*

PRODUCT BENEFITS

- ATTRACTIVE MULTI-RIBBED PROFILE.
- QUICK AND EASY TO INSTALL.
- TYPICALLY USED FOR WALLING IN INDUSTRIAL, COMMERCIAL AND RESIDENTIAL BUILDINGS SUCH AS GARAGES, SCREENS AND FASCIAS.
- CAN BE SUPPLIED CUSTOM CUT OR IN STOCK LENGTHS.
- AVAILABLE IN A WIDE VARIETY OF CLEAN COLORBOND® STEEL COLOURS AND UNPAINTED ZINCALUME® STEEL.

WALL & CEILING SOLUTIONS

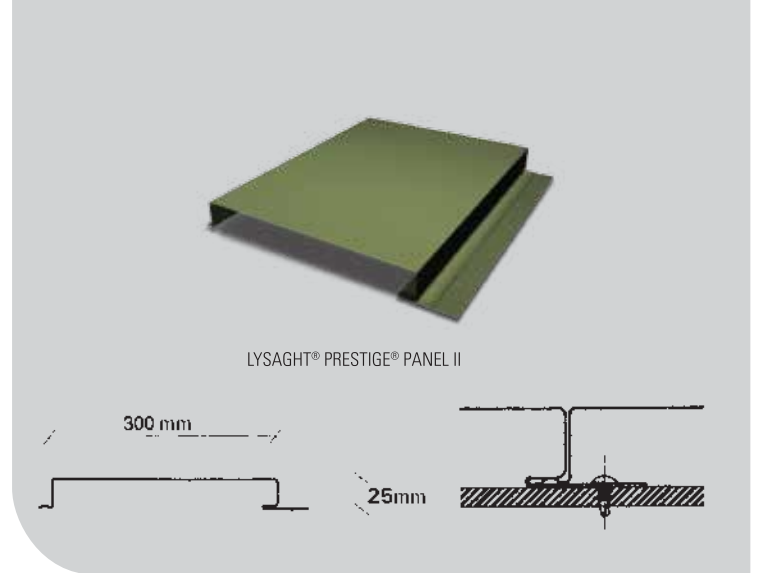
LYSAGHT® PRESTIGE® PANEL II

Subtle square fluted steel cladding

LYSAGHT® PRESTIGE® PANEL II IS ANOTHER QUALITY PRODUCT WHICH PROVIDES WIDER CHOICES OF DURABLE AND FUNCTIONAL WALL CLADDINGS TO THE BUILDING DESIGNS IN THE REGION.

- Compatible trim and accessories readily available.
- High-strength design can be used for exterior and interior walls, as well as soffits.
- Panels are factory corrective-leveled during roll-forming to provide the flattest product possible.
- Available perforated for acoustical applications.

Custom-cut lengths are available in continuous length (min 1000mm).



APPLICATIONS

- Vertical surface cladding
- Walling
- Fascias
- Feature wall, ceiling and fencing

Oil Canning

Flat metal surfaces (e.g. LYSAGHT® PRESTIGE® Panel II) will display waviness commonly referred to as oil canning. This is caused by steel mill tolerances. Oil canning is a characteristic, not a defect, resulting from panels manufactured from light gauge metal. Panels are to be factory corrective leveled to minimize oil canning. Oil canning is not a valid reason for panel rejection.

	STANDARD
THICKNESS	
Base Metal Thickness (BMT)	0.55mm
Total Coated Thickness (TCT)	0.60mm
Mass per unit area	6.063kg/m ²
Cover Width	300mm
Panel Depth	25mm
Lengths	L < 6000mm (Custom-cut* to size requirements in continuous lengths available)
Tolerances	Length +0, -5mm Cover Width ± 4mm Rib Height ± 0.5mm
Grade of steel	G300 (300N/mm ² yield strength)
Coating Class (min.)	AZ150
Packing	In strapped bundles of 30 sheets maximum not exceeding one tonne

Lysaght Pavilion, Sarawak*Changi Storage Hub**Industrial Factory, Singapore**Industrial Factory, Singapore*

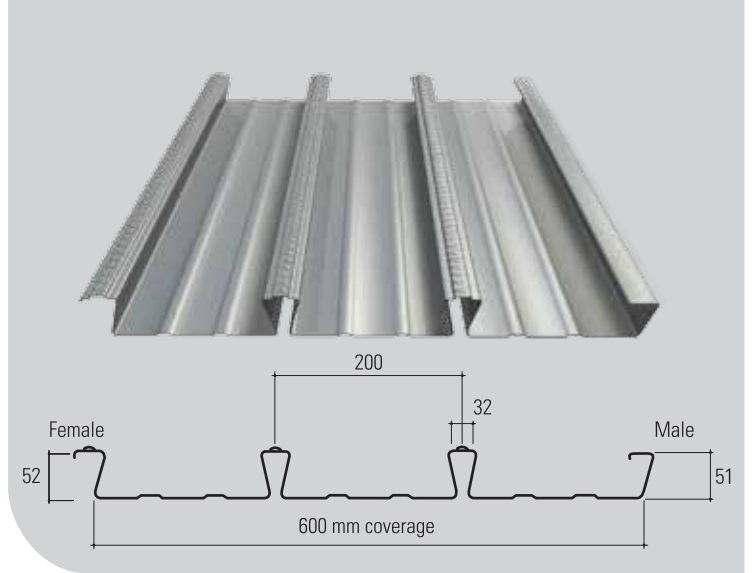
PRODUCT BENEFITS

- SPECIALLY DESIGNED FEATURES AND STATE-OF-THE-ART CONCEALED FIXING SYSTEM.
- LEAK PROOF WALLING SOLUTION.
- SUPERIOR PERFORMANCE AGAINST ALL WEATHER CONDITIONS.

STRUCTURAL DECKING SOLUTIONS

**LYSAGHT®
BONDEK® II**

Structural decking for concrete slab construction



LYSAGHT® BONDEK® II STRUCTURAL DECKING IS A HIGHLY EFFICIENT AND ROBUST PROFILED ZINC COATED STEEL SHEETING FOR USE IN THE CONSTRUCTION OF COMPOSITE FLOOR SLABS. IT HAS BEEN TESTED TO PERFORM AS FORMWORK AND LONGITUDINAL REINFORCEMENT IN ONE-WAY COMPOSITE SLABS.

It has an effective longitudinal tensile reinforcement and the top of the ribs has been embossed to bring about greater mechanical bonding between the steel sheet and concrete.

LYSAGHT® BONDEK® II is a complete structural steel decking system for concrete, masonry or steel frame construction. This decking is used in many prominent landmarks across Asia.

LYSAGHT® BONDEK® II Material Specifications

Manufacture	Cold rolled-form
Yield strength	minimum 550MPa
Finish	Hot-Dipped Zinc Coated* 275g/m ² and Chromate Passivated
Base Metal Thickness (BMT) in mm	0.75 1.0 1.2 (non-standard)
Effective coverage width (mm)	600
Rib Height (mm)	52
Mass (Unit Weight)	
0.75mm	10.3kg/m ²
1.00mm	13.6kg/m ²
1.20mm (non-standard)	16.02kg/m ²
Maximum Length	12,500mm, extra length available (subject to transportation constraints)
Grade of steel	G550 (0.75mm and 1.0mm) G500 (1.2mm)
Coating class (min.)	Z275

* Conforms to BS EN 10147

National Library, Singapore*Emirates Tower, Dubai**Petronas Twin Towers, Malaysia**CCTV Tower, China**Shenzhen Stock Exchange, China**Empire Shopping Gallery, Selangor*

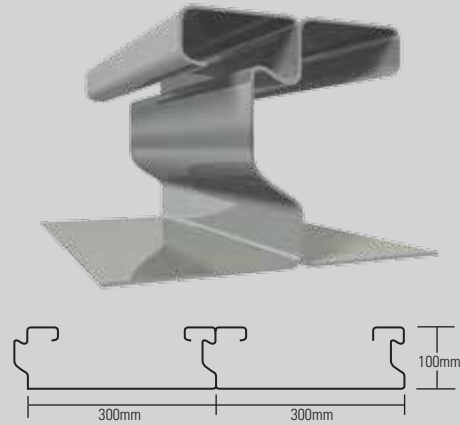
PRODUCT BENEFITS

- EXCELLENT SPANNING CAPACITIES FOR GREATER STRENGTH AND LESS DEFLECTION. UNPROPPED SPANS OF UP TO 3.2m.
- RELIABLE INTERLOCKING MECHANISM PROVIDES HORIZONTAL LAPPING FOR FASTER INSTALLATION.
- FAST AND EASY TO INSTALL. REDUCTION IN CONSTRUCTION TIME.
- ONE-STEP ASSEMBLY OF STURDY WORKING PLATFORM, BOTTOM REINFORCEMENT AND PERMANENT FORMWORK.
- COMPOSITE SLAB'S FIRE PERFORMANCE IS IN ACCORDANCE TO BRITISH STANDARD BS 5950: PART 8.
- WORKS AS COMPOSITE SLAB SAVING ON CONCRETE AND REINFORCEMENT COSTS.
- RIBS AT 200mm CENTRES CREATING A SAFE WORKING PLATFORM WITH SLIP RESISTANT EMBOSSEMENTS.
- INSTALLATION OF SUSPENDED SERVICES AND CEILINGS WITHOUT DRILLING INTO THE CONCRETE SLAB.
- HIGH TENSILE STEEL 550MPa.
- DURABLE GALVANIZED COATING OF Z275.
- CAN BE USED IN CONCRETE FRAME CONSTRUCTION.

STRUCTURAL DECKING SOLUTIONS

LYSAGHT® POWERDEK®

Long spanning steel decking profile



LYSAGHT® POWERDEK® IS A HIGH PERFORMANCE PROFILED ZINC COATED STEEL DECKING USED AS A FORMWORK SYSTEM DURING CONSTRUCTION AND REINFORCEMENT IN COMPOSITE SLABS.

Two different depths of POWERDEK® are available, namely POWERDEK® 100 (100mm overall depth) and POWERDEK® 120 (120mm overall depth).

Embossments on the top of flanges provide the mechanical connection between the steel and concrete. Punches on sides of embossments allow formation of air pockets under flanges to be avoided.

FEATURES AND APPLICATIONS

- Spanning capacity - Significantly increased unpropped spans of up to 5.2m and 6.0m with POWERDEK® 100 and POWERDEK® 120 respectively with 1.5mm thickness of sheeting and increased load carrying capacities.

- Greater composite action - High shear bond capacity for imposed loads up to 30KPa without additional conventional reinforcements.
- Economical design for fire - Profiles are encased in concrete, providing exceptional fire performance, with no extra fire reinforcement required for up to a 4-hours fire rating.
- Quicker trouble-free installation - A positive interlocking rib requires minimal fixing or ribs during installation and provides a strong, secure working platform.
- Design efficiency - Range of gauges available (1.5m, 1.2mm and 1.0mm) allows a closer matching of design requirements and deck performance.
- Made from zinc coated (Z275), high tensile steel for strength and durability.
- Optional: Coating of high corrosion, resistant sheet is available on request.
- Tested to PSB Corporation Singapore standards and requirements.

LYSAGHT® POWERDEK® Material Specifications

Manufacture	Cold rolled-form		
Yield strength	450 - 550MPa		
Finish	Hot-Dipped Zinc Coated*, high tensile ZINC HI-TEN® steel Z275g/m ²		
Base Metal Thickness (BMT) in mm	1.0 1.2 1.5		
Grade	1.5mm BMT - G450 1.2mm BMT - G500 1.0mm BMT - G550		
Effective coverage width (mm)	300		
POWERDEK® 100	1.0mm	100	19.03
	1.2mm	100	22.62
	1.5mm	100	28.00
POWERDEK® 120	1.2mm	120	24.2
	1.5mm	120	29.6
Maximum Length	12,500mm (subject to transportation constraints)		
Grade of Steel	G550 (1.0 BMT) G500 (1.2 BMT) G450 (1.5 BMT)		
Coating Class	Z275		

* Conforms to AS 1397 and BS EN 10147

*Raffles Junior College, Singapore**Marina Bay Sands, Singapore**One Raffles Quay, Singapore**Industrial Factory, Singapore*

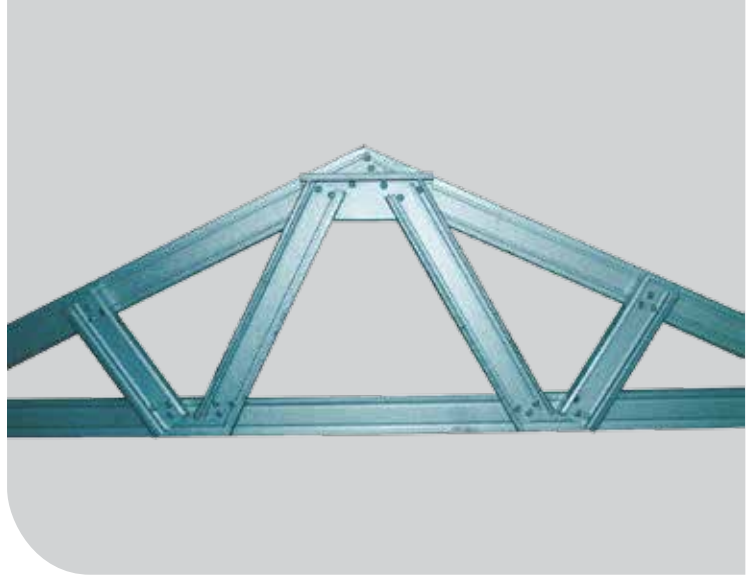
PRODUCT BENEFITS

- LONGER, UNPROPPED SPANS.
- BETTER APPEARANCE WITH EXPOSED CEILINGS.
- EXCEPTIONALLY SECURE WORKING PLATFORM.
- REDUCES CONSTRUCTION COSTS.
- SUPERIOR DURABILITY.

ENGINEERING SOLUTIONS

**LYSAGHT®
SMARTRUSS®**

Lightweight roof truss system



LYSAGHT® SMARTRUSS® IS A ROOF TRUSS SYSTEM THAT OFFERS DURABILITY, AFFORDABILITY, STRENGTH AND STABILITY. THE SYSTEM IS CONVENIENT AND COST EFFECTIVE, AS WELL AS QUICK AND EASY TO DELIVER AND ASSEMBLE ON SITE.

LYSAGHT® SMARTRUSS® system is manufactured from high tensile strength, long life TRUECORE® steel that is backed by a material warranty* of up to 50 years. It provides a lightweight alternative to timber roof framing and is competitively priced as the system's structural integrity leads to lower lifetime costs.

Engineered for strength, LYSAGHT® SMARTRUSS® roof truss system does not compromise on safety and quality. It is subjected to comprehensive and rigorous testing processes conducted in Lysaght Technology's world-class National Association of Testing Authorities (NATA)-accredited structural testing laboratory. Full truss test rig and web compression, torsion bearing, and bottom chord tension tests are conducted to guarantee the system's structural integrity.

APPLICATIONS

Steel roof truss in general building applications for residential, commercial and institutional projects

Fast, Efficient and Well-Engineered Solution

- Fully designed and tested to Australian standards.
- Supported by LYSAGHT® SUPRACADD® detailing software which models the geometry, designs the roof trusses and facilitates manufacture by licensed fabricators.

**Warranty terms and conditions apply*

- Will not warp, twist, shrink or rot, and no inherent weaknesses such as knots or cracks.
- Reduced builder call backs, no shrinkage, popping nails or rippled walls, ceiling or roofs.
- Termite and insect resistant.
- Fire resistant, non combustible.
- No roof sag, engineered pre-cambering ensures no more wavy roof lines.
- Easy frame erection, lightweight and accurate frames are safe and easy to handle and nail on-site.
- Design flexibility as high strength to weight provides larger spans, fewer supports for traditional building methods.
- Additions for renovation purposes can be made after construction. Original steel structure will be straight and true regardless of age, and the job of lining up the extension is easier. Timber framing could warp over its life, making the job of lining up more difficult.

Putrajaya, Malaysia



Home for the Aged Sick, Hougang



Nilai, Malaysia



GENERAL TECHNICAL SPECIFICATIONS

METAL ROOFING		
Webs and Chords	C-Channel Sections Height : 100mm and 75mm	
Design Standard	Australian Standard AS4600 and prevailing wind loads of the region	
Load Design (CP3)		
	<ul style="list-style-type: none"> • Live load on roof • Metal Roof (inclusive truss self-wt) • Ceiling Board + Timber Joist/Batten • General Wind Speed* 	0.25kPa 0.22KN/ m ² 0.13KN/ m ² 34m/sec
Structure Design (AS4600)		
	<ul style="list-style-type: none"> • Truss deflection (permanent loads only) • Batten deflection 	Span/250 Span/150
Roof Battens	LYSAGHT® TOPSPAN®	Manufactured from same material as web and chord.
Base Steel Standard	Australian Standard AS 1397 - 2001	Min 550MPa for steel < 1mm Min 450MPa for steel > 1mm
Sections < 1.2mm thick	Protective metallic alloy coating Zinc (43.5%), aluminum (55%) and silicon (1.5%) applied by hot dip process.	Coating thickness on both sides 0.05mm (total) as in AS 1397 - 2001 for coating class AZ150.
Sections > 1.2mm thick	Protective metallic alloy coating applied by galvanizing hot dip process.	Coating thickness on both sides 0.05mm (total) as in AS 1397 - 2001 for coating class Z275.
Fasteners	Comply with AS 3566 Class 2	All anchor bolts and connecting plates shall be either galvanized or manufactured from the same material as the trusses.
Batten Spacing	Metal roof, batten spacing of 1200mm shall be assumed.	

CONCRETE ROOF TILES		
Webs and Chords	C-Channel Sections Height : 75mm and 100mm	
Design Standard	Australian Standard AS4600 and prevailing wind loads of the region	
Load Design (CP3)		
	<ul style="list-style-type: none"> • Live load on roof • Roof Tile load (inclusive truss self-wt) • Ceiling Board + Timber Joist/Batten • General Wind Speed* 	0.25kPa 0.70KN/ m ² 0.13KN/ m ² 34m/sec
Structure Design (AS4600)		
	<ul style="list-style-type: none"> • Truss deflection (permanent loads only) • Batten deflection 	Span/250 Span/150
Roof Battens	LYSAGHT® TOPSPAN®	Manufactured from same material as web and chord.
Base Steel Standard	Australian Standard AS 1397 - 2001	Min 550MPa for steel < 1mm Min 450MPa for steel > 1mm
Sections < 1.2mm thick	Protective metallic alloy coating Zinc (43.5%), aluminum (55%) and silicon (1.5%) applied by galvanizing hot dip process.	Coating thickness on both sides 0.05mm (total) as in AS 1397 - 2001 for coating class AZ150.
Sections > 1.2mm thick	Protective metallic alloy coating applied by hot dip process.	Coating thickness on both sides 0.05mm (total) as in AS 1397 - 2001 for coating class Z275.
Fasteners	Comply with AS 3566 Class 2	All anchor bolts and connecting plates shall be either galvanized or manufactured from the same material as the trusses.
Batten Spacing	Concrete tiles, batten spacing of 330mm shall be assumed.	

This is a general technical specification and may vary in accordance to roof design, and design requirements and variations. Please contact NS BlueScope Lysaght for reference.

* Design for General Wind Speed can be customised to specific project requirements.



COLORBOND® steel



ZINCALUME® steel

ZINCALUME® steel and COLORBOND® steel

Strong brands, quality materials

LYSAGHT® PRODUCTS ARE MANUFACTURED FROM HIGH QUALITY ZINCALUME® STEEL AND COLORBOND® STEEL, WHICH ARE LEADING BRANDS WITH A WIDE RANGE OF APPLICATIONS. THESE PRODUCTS HAVE BEEN USED WITH STRIKING EFFECT BY LEADING ARCHITECTS TO CREATE THE LATEST IN MODERN BUILDING DESIGNS, THROUGH TO CLASSIC ROOFING STYLES FOR RESIDENTIAL PROJECTS.

Zincalume®

ZINCALUME® steel is a premium metallic coated steel product that is composed of 55% aluminium, 43.5% zinc and 1.5% silicon. The zinc/aluminium alloy coating on ZINCALUME® steel imparts corrosion resistance of up to four times the life of galvanised steel.

ZINCALUME® steel is backed by a material warranty of up to 25 years*

Typical applications featuring ZINCALUME® steel include roofing, wall cladding and gutters.

Product Attributes

- Durable and strong.
- Superior corrosion resistance and has an excellent combination of physical and cut edge protection.
- Lightweight for easy handling.
- Thermally efficient roofing.
- Excellent flexibility in design, can be curved, for truly individual designs.
- Weather tight and secure when installed to manufacturer's specifications.
- Clear resin coating resists scuffing and handling marks.

*Warranty terms and conditions apply

Colorbond®

COLORBOND® pre-painted steel combines the superior strength of steel, the corrosion resistance and protection of a zinc/aluminium alloy (ZINCALUME® steel) coating that maintain its long lasting beauty with excellent colour retention.

It has been developed as a "Defence System Against Tropical Staining." Its unique oven-cured paint system prevents surface staining common to tropical environments caused mainly by temperature, moisture and air-borne contaminants.

COLORBOND® steel is backed by a material warranty of up to 25 years*

Product Attributes

- Available in a range of attractive colours.
- The zinc/aluminium alloy coating on ZINCALUME® steel, plus the oven-baked, prepainted finish on COLORBOND® steel provide superior corrosion resistance for long life.
- Thermally efficient. Roofs made from COLORBOND® steel absorb less heat, thus cools very quickly.
- Lightweight compared to concrete and clay tiles (on a per area basis) - reduced load on supporting structures.
- Excellent flexibility in design, can be curved, for truly individual designs.
- Flexibility of design allows for both traditional straight roof sheeting as well as innovative curved roofing designs.
- Resists cracking, chipping and peeling.

LEAD, COPPER and STAINLESS STEEL are not compatible with COLORBOND® steel and ZINCALUME® steel. Direct contact should therefore, be avoided. Where inside condensation conditions are likely, coated steel girts should be used so that any ZINCALUME® steel to bare steel contact is avoided.

Stainless steel fasteners are not recommended for ZINCALUME® and COLORBOND® steel.



Trusted Partner for Building Systems

NS BLUESCOPE LYSAGHT MALAYSIA SDN BHD
NO 6, PERSIARAN KEMAJUAN, SEKSYEN 16,
40200 SHAH ALAM,
SELANGOR DARUL EHSAN, MALAYSIA.
TEL: +603-5520 6600 FAX: +603-5520 6601/02

NORTHERN

1-2-9, KRYSTAL POINT CORPORATE PARK,
JALAN TUN DR. AWANG,
LEBUH BUKIT KECIL 6,
11900 SUNGAI NIBONG,
PENANG, MALAYSIA.

TEL: +604-646 9553 / 6653 FAX: +604-646 6853

SOUTHERN

BMS MALL - BLOCK A #02-08,
NO. 6, JALAN KENCANA MAS 2/1,
KAWASAN PERINDUSTRIAN TEBRAU III,
81100 JOHOR BAHRU,
JOHOR DARUL TAKZIM, MALAYSIA.

TEL: +607-355 1576/7/8 FAX: +607-355 1579

NS BLUESCOPE LYSAGHT SABAH SDN BHD

LORONG KURMA OFF JALAN KOLOMBONG,
88450 KOTA KINABALU,
SABAH, MALAYSIA.

TEL: +6088-445 161 FAX: +6088-421 178

NS BLUESCOPE LYSAGHT (SARAWAK) SDN BHD KUCHING

LOT 610, SECTION 66, PENDING INDUSTRIAL AREA,
JALAN MERBAU, 93450 KUCHING,
SARAWAK, MALAYSIA.

TEL: +6082-333 621 FAX: +6082-483 486

BINTULU

LOT 974, BLOCK 26 KLD,
KIDURONG LIGHT INDUSTRIAL ESTATE,
97000 BINTULU, SARAWAK, MALAYSIA.

TEL: +6086-251 736 FAX: +6086-252 881

www.lysaght.com.my
mysupport@bluescope.com
Customer Hotline:

1700-81-8688



Web:

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NS BLUESCOPE LYSAGHT SINGAPORE PTE LTD
18 BENOI SECTOR,
JURONG TOWN,
SINGAPORE 629851
TEL: +65-6264 1577 FAX: +65-6265 0951

www.lysaght.com.sg

NS BLUESCOPE LYSAGHT (B) SDN BHD

INDUSTRIAL COMPLEX,
BERIBI PHASE 1,
6KM, JALAN GADONG,
BANDAR SERI BEGAWAN BE 1118,
BRUNEI DARUSSALAM.

TEL: +673-244 7155 FAX: +673-244 7154



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