



**BR-II™ 900**



The Strongest  
Roofing Profile



BR-II™ 900 is the strongest fastened roof system in the industry. It is a weather-tight roofing system that is economical to install and maintain. It is ideal for industrial and commercial applications.

## Profile

LYSAGHT® BR-II™ 900 roof profile comes with an effective cover width of 900 mm, with four major corrugation, 38.1 mm deep rib spaced at 300mm c/c with two stiffeners in the pan. The end rib has anti-capillary groove and return leg.

## Material Specifications:

ZINCALUME® steel resin coated, minimum metallic coating mass is AZ150 (150g/m<sup>2</sup>), minimum yield strengths of G550 (550MPa) complies with AS1397 or IS15961.

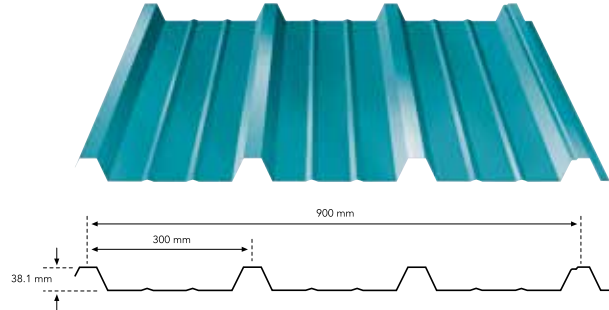
**COLORBOND® XRW** is pre-painted steel for exterior roofing and walling. Its minimum metallic coating mass is AZ150 (150g/m<sup>2</sup>), minimum yield strengths is G550 (550 MPa), with Super Durable Polyester exterior paint system, total 25um DFT on topside and 10um DFT on reverse side complying with AS/NZS 2728- type 4 or IS15965- class 3

**COLORBOND® Ultra** is pre-painted steel for severe coastal or industrial environments (closer to source), minimum metallic coating mass is AZ200 (200g/m<sup>2</sup>), minimum yield strengths is G550 (550MPa), Super Durable Polyester exterior paint system, total 25um DFT on topside and 15um DFT on reverse side complying with AS/NZS 2728- type 4 or IS15965- class 3.

(Please contact Tata BlueScope Steel office for COLORBOND® spectrum series (metallic finish) and COLORBOND® XPD (PVDF) specification)

## COLORBOND® steel with THERMATECH™ Technology

COLORBOND® steel with THERMATECH™ technology reflects more of the sun's heat, allowing both roofs and buildings stay cooler in summer. In moderate to



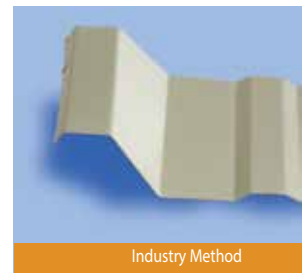
hot climates, compared to roofing materials of similar colour with low solar reflectance, COLORBOND® steel with THERMATECH™ can reduce annual cooling and energy consumption by up to 15%\*and also reduces peak roof temperature by up to 6°C\*\*.

## Deep Corrugations

Asserts Strength



BR-II™ 900



Industry Method

The depth of the panel's corrugation combined with the strength of the base steel grade is a critical factor in determining roof strength, durability and the ability to perform over a long term. BR-II™ 900 roof panel offers the deepest and a wide corrugation coupled with a high tensile steel base of minimum 550 MPa yield strength providing additional strength in comparison to any other industrial profile for both wind uplift and roof traffic.

## Masses

BR-II™ 900				
BMT*	TCT*	Product	kg/m	kg/m <sup>2</sup>
0.42	0.47	ZINCALUME® steel	3.92	4.36
0.42	0.47	COLORBOND® steel	3.99	4.43
0.45	0.50	ZINCALUME® steel	4.19	4.65
0.45	0.50	COLORBOND® steel	4.26	4.73

\*All dimensions are in mm

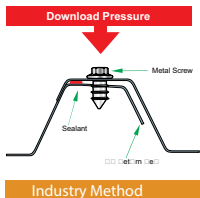
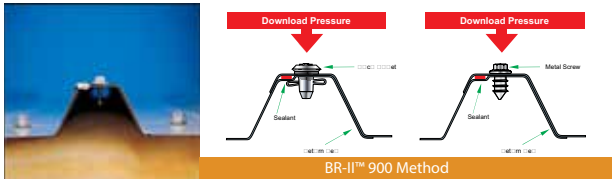
Non-standard sizes and colours are also available on special request. The above data has been derived from the tests conducted at our research centre and reproduction of the same in any form is strictly prohibited

\*Depending on level of insulation, colour, building shape, orientation and function.  
\*\*Depending on the colour.



## Return Leg

*Withholds pressure*

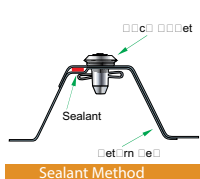


To provide additional support against roof traffic, BR-II™ 900 roof panels incorporate a “return leg” on all side lap connections. Roof panels without return leg often separate under fastener installation or roof traffic pressure.

## Sealant Groove

*Assures weather tightness*

To provide long-lasting weather tightness, high quality neutral cure type sealant should be used when



required. All BR-II™ 900 roof panels are engineered and produced with a sealant groove, assuring accurate and precise placement of sealant material. Other systems leave sealant placement to the judgment of the installation crew or leave it out completely. An installed BR-II™ 900 roof uses only the best quality neutral cure sealant to keep your roof system weathertight for years.

## Slotted Holes (Optional)

*Allows expansion & contraction*

The roofing system must be able to accommodate the forces of thermal expansion and contraction that occur due to changes in temperature. The BR-II™ 900 roof system offers factory-punched slotted holes in roof

panels to accommodate these forces. Factory punching helps avoid the tearing and loosening of roof panels common to other systems, which ultimately result in holes and leaks.



## Factory Punching (Optional)

*Creates perfect alignment*

Proper alignment of roof panels is crucial for roof performance. Improper alignment affects weather tightness and creates problems while installing closures, roof accessories and trim. All roof panels and structural members of BR-II™ 900 roof system can be factory punched to assure perfect alignment.

## Stronger Fasteners (Optional)

*Maintains incredible strength*

All the fasteners for BR-II™ 900 roof conform to AS 3566 Class 3 Australian Standard for exposed roofing application. The fasteners last longer in external applications than conventional screws.



BR-II™ 900

## Research

*A fully tested system*

Our Research & Development Center performs quality control tests of roof materials and components, along with investigating new materials, parts and processes. The use of sophisticated testing equipment enables the staff to predict actual field performance of a product and helps ensure that the roof product on your new building will stand up to weathering and age.



Global Excellence since 1857

## Benefits

- Strongest trapezoidal profile - best suited for Cyclonic areas
- Prominent anti-capillary groove, excellent for leak proof performance. The groove can also be used for sealant placement to ensure weather tightness
- Factory-slotted holes allow roof panels to move with thermal expansion and contraction forces without tearing holes in the panels at fasteners locations (only supply on request)
- Pre-punched to assure proper fit and alignment of each panel joint ensuring weather tightness
- FM Approved profile

## Product Descriptions

- All descriptions, specifications, illustrations, drawings, data, dimensions and weights contained in this catalogue, all technical literature and websites containing information from LYSAGHT® are approximations only. They are intended by LYSAGHT® to be a general description for information and identification purposes and do not create a sale by description. LYSAGHT® reserves the right at any time to:
  - (a) Supply goods with such minor modifications from its drawings and specifications as it sees fit
  - (b) Alter specifications shown in its promotional literature to reflect changes made after the date of such publication

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## Standard Colour Range



The above colours are only for illustrative purpose and actual colours may vary.



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