

BR-II[™] 900



Strongest Roofing Profile

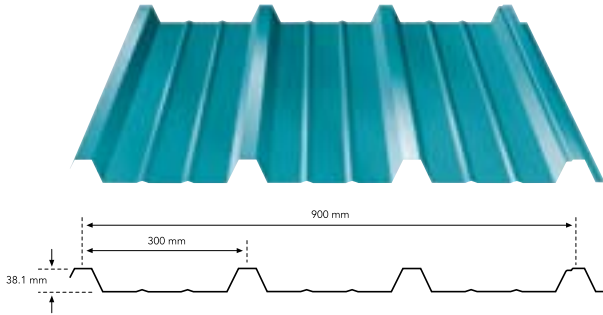
TATA BLUESCOPE
BUILDING PRODUCTS

(A Division of Tata BlueScope Steel Limited)



BR-II™ 900

BR-II™ 900 is the strongest screw down roof system in the industry. It is economical to install, maintain and ideal for industrial and commercial applications. All BR-II™ 900 roof panels have a full 38.1 mm deep corrugation for extra strength.



Panels are 900 mm in width and upto 12 meters in length so roof erection occurs quickly even on large buildings. BR-II™ 900 panels are available in a variety of material thickness and in many attractive standard colours.

Masses

BR-II™ 900				
BMT*	TCT*	Product	kg/m	kg/m ²
0.40	0.45	ZINCALUME® steel	3.76	4.17
0.40	0.45	COLORBOND® steel	3.82	4.25
0.45	0.50	ZINCALUME® steel	4.20	4.67
0.45	0.50	COLORBOND® steel	4.27	4.74

*All dimensions are in mm

Benefits of BR-II™ 900 Profile

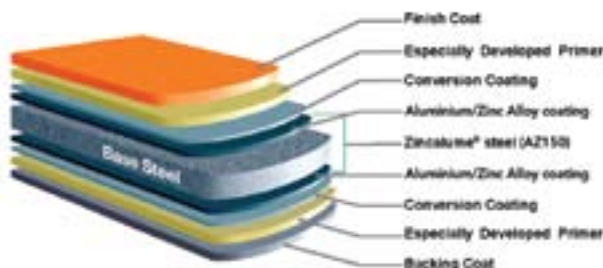
1 COLORBOND® steel and ZINCALUME® steel *Strong high tensile coated steel to Last Longer*

BR-II™ 900 roof system is manufactured out of high strength steel grade with minimum tensile strength of G550 (550 MPa).

The steel base is coated with aluminium-zinc alloy with minimum AZ150 coat (150 GSM minimum coating mass) and available as ZINCALUME® steel as per AS 1397 Australian Standard.

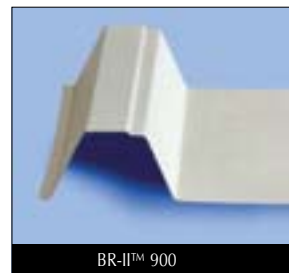
ZINCALUME® steel lasts 2 to 4 times longer than galvanized steel in similar environment conditions. Colour coated ZINCALUME® steel known as COLORBOND® steel conforms to AS/NZS 2728 Type 3-4 and has specifically formulated paint system for external roof and wall cladding application to give aesthetical appearance and long lasting colour for much longer time than any other conventional paint system. The paint system is designed to resist chalking and fading.

(Please refer to ZINCALUME® steel and COLORBOND® steel brochure for details)



Cross Sectional View of CoLoRBond® steel

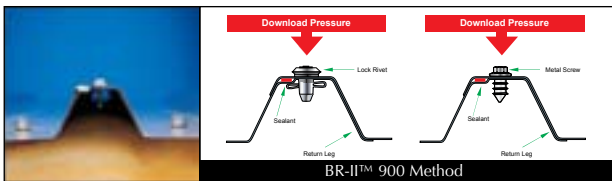
2 Deep Corrugations *Asserts Strength*



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 in 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.



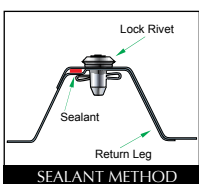
3 Return Leg
Withholds pressure



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

4 Sealant Groove
Assures weather tightness

To provide long-term weather tightness, quality neutral cure type sealant may be used when



required. To ensure the proper sealant placement, 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.

5 Slotted Holes (Optional)
Allow expansion & contraction

Daily temperature changes are a roof system’s number one enemy. As outside temperatures change, the roof must be able to accommodate the forces of thermal

expansion and contraction. 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.

6 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.

7 Stronger Fasteners (Optional)
Maintain incredible strength



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

8 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.

LYSAGHT BR-II™ 900 - Design Advantages

- Deep corrugation 38.1mm makes the BR-II™ 900 roof panel one of the strongest standard ribbed panels in the industry
- Exclusive BR-II™ 900 panel “return leg” provides added support at the panel sidelaps to withstand roof traffic
- Anti capillary groove for leak proof performance.
- Pre-formed sealant grooves and guides promote accurate sealant placement between panels
- Pre-punched option is available on request
- Manufactured from high strength ZINCALUME® steel or COLORBOND® steel in wide range of colors



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Note:

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