



YSAGHT[®]



BR-II™ 900

Strongest Roofing Profile | Ability to Withstand High Roof Traffic | Leak-proof Performance
Economical to Install & Maintain

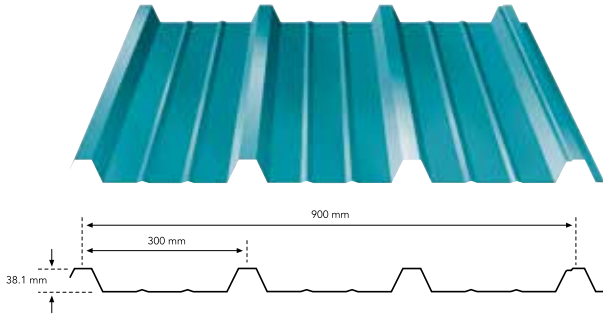

**TATA BLUESCOPE
STEEL**



BR-II™ 900

BR-II™ 900 is the strongest screw down roof system in the industry. It is easy 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.



BR-II™ 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

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

Benefits of BR-II™ 900 Profile

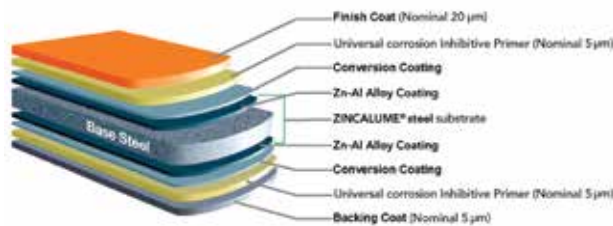
- 1** COLORBOND® steel and ZINCALUME® steel
Strong high tensile coated steel to Last Longer

BR-II™ 900 roof system is manufactured from COLORBOND® steel and ZINCALUME® steel which offers 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.

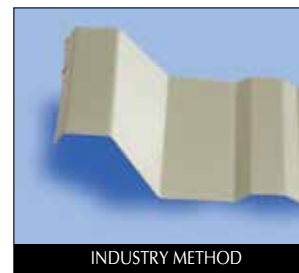
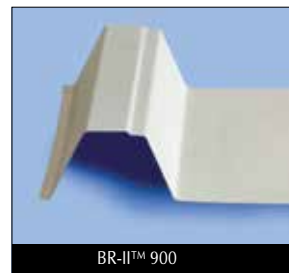
COLORBOND® steel conforming to AS/NZS 2728 Type 3-4 has a specifically formulated paint system. Idea for external roof and wall cladding application, it gives an aesthetic appearance and provides long lasting colour performace as compared to any other conventional paint system. The paint system is designed to resist chalking and fading.

*Standard offerings includes COLORBOND® XRW steel but other options like COLORBOND® Ultra steel, COLORBOND® XPD steel and COLORBOND® Metallic steel can also be used after consultation from Tata BlueScope Steel authorities.



Cross Sectional View of COLORBOND® steel

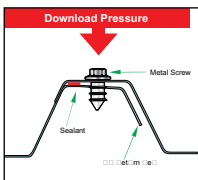
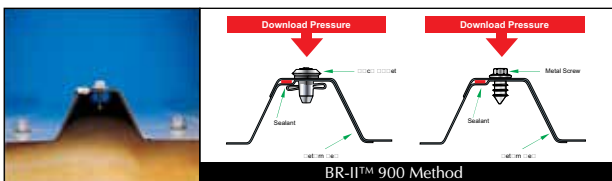
- 2** Deep Corrugations
Asserts Strength



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 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.



3 Return Leg
Withholds pressure



INDUSTRY METHOD

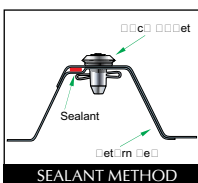
To provide additional support against roof traffic, BR-II™ 900 roof panels incorporate a “return leg” on all side lap connections. Roof panels without return leg often separate under fastener installation or roof traffic pressure.

4 Sealant Groove
Assures weather tightness

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



Location Marks for Installing Panlastic® Sealant



SEALANT METHOD

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.

5 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.

6 Factory Punching (Optional)
Creates perfect alignment



FACTORY PUNCHED PANELS

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)
Maintains incredible strength



BR-II™ 900

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.

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 makes the BR-II™ 900 roof panel one of the strongest standard ribbed panels in the industry
- 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
- Manufactured from high strength ZINCALUME® steel or COLORBOND® steel in wide range of colors



For further technical assistance mail us at : lysaght@tatabluescopesteel.com

For more information, please contact:

- **North Region** Gurgaon: Tel: +91 124 4712801
- **East Region** Kolkata: Tel: +91 33 40061945
- **West Region** Mumbai: Tel: +91 22 66743329
- **South Region** Chennai: Tel: +91 44 42693319

Note:

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Tata BlueScope Steel Ltd.
CIN: U45209PN2005PLC020270
Regd. Office: The Metropolitan, 4th Floor,
Final Plot No. 27, Survey No. 21,
Wakdevadi, Shivaji Nagar, Pune -
411005. INDIA. Tel: +91 20 6621 8000
Website: www.tatabluescopesteel.com
Email: lysaght@tatabluescopesteel.com