



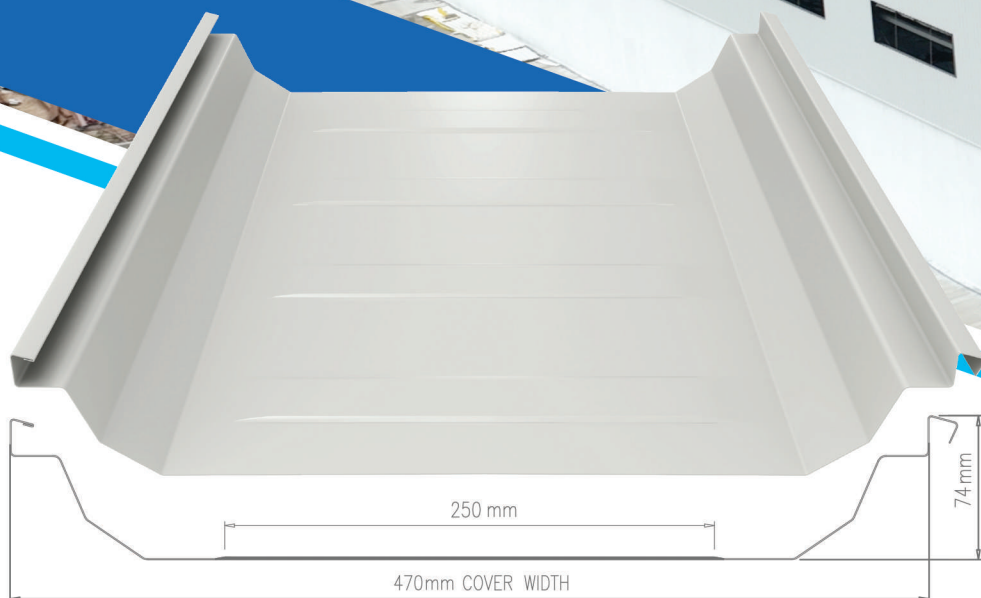
New-Age, Sustainable  
Standing Seam Roofing Solutions

# FORTISS 470<sup>TM</sup>

ENGINEERED BY EXPERTS, DELIVERED WITH PERFECTION







# THE FORTISS 470™

## EDGE

AN IDEAL SOLUTION

**FORTISS 470™** is a new generation 360° seam locked roofing system developed by Tata BlueScope Steel. It is specially designed for large industrial, commercial and warehousing sectors looking for larger spans, better performance, a quick turnaround, and customization.



Desired roof lengths  
with on-site roll forming



Improved anti-deformation  
performance



Assured performance with  
greater corrosion resistance



360° seaming for  
watertight performance



Unique roof design  
ensures excellent water  
carrying capacity



Great value for money  
with complete peace of mind





# FORTISS 470™ MORE THAN JUST A ROOF

Complete solution right from design to installation, including accessories, engineering and construction support

## Available in metal coated and colour coated steel

| Steel Thickness (TCT)                   | 0.55                    | 0.60  |
|---|-------------------------|-------|
| Base Metal Thickness (BMT)              | 0.50                    | 0.55  |
| Total Coated Thickness (TCT)            | 0.55                    | 0.60  |
| Effective Cover Width                   | 470                     | 470   |
| Rib Depth                               | 74                      | 74    |
| (All dimensions are in mm)              |                         |       |
| <b>Mass</b>                             | <b>ZINCALUME® steel</b> |       |
| Mass per unit area (kg/m <sup>2</sup> ) | 5.211                   | 5.712 |
| <b>Mass</b>                             | <b>COLORBOND® steel</b> |       |
| Mass per unit area (kg/m <sup>2</sup> ) | 5.288                   | 5.789 |

| Roof Pitch                      |        |
|---------------------------------|--------|
| Min Roof Slope Recommended      | 2°     |
| Grade of Steel (Yield Strength) | G300*  |
| Coating Class                   | AZ 150 |

\*Also available in G340 Yield Strength

01

Zero overlapping of sheets, provides leak-proof roof system and speeds up the installation process

02

Enables possibility of Roof-top level roll-forming

03

Containerized production ensures uniform quality even under unstable conditions

04

Best-in-class safety practices and unmatched construction capability

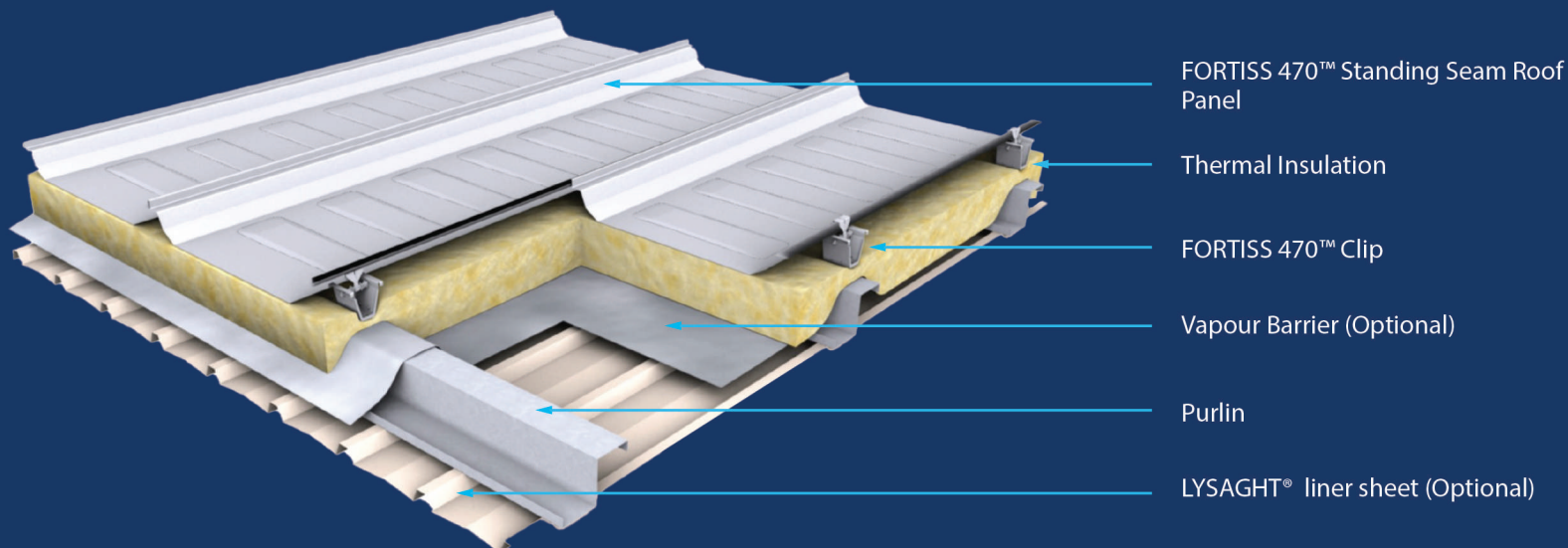
**FORTISS 470™** is tailored to match your design criteria in form, function, size, site characteristics & other requirements. Apart from a feature loaded advantage, this profile offers holistic experience for anyone seeking to build strong structure.



# INSULATED ROOF SYSTEMS WITH FORTISS 470™

**FORTISS 470™** profile can be used as Single Skin and Double skin Insulated Roof systems. These systems are dependent on specific requirements and are to be tailored to suit the thermal, acoustic, ventilation or economic requirements.

Typical Roof Build up of **FORTISS 470™** Standing Seam System



## FORTISS 470™ Specifications

ZINCALUME® steel resin coated, minimum metallic coating mass is AZ150 (150g/m<sup>2</sup>), maximum yield strength of G345 (345MPa) 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>), maximum G345 (345 MPa) yield strength steel with Super Durable Polyester exterior paint system, total 25 micron DFT on topside and 10 micron 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>), maximum yield strength is G345 (345MPa), Super Durable Polyester exterior paint system, total 25 micron DFT on topside and 15 micron DFT on reverse side complying with AS/NZS 2728- type 4 or IS15965- class 3.

## 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\*.

### Green Credentials

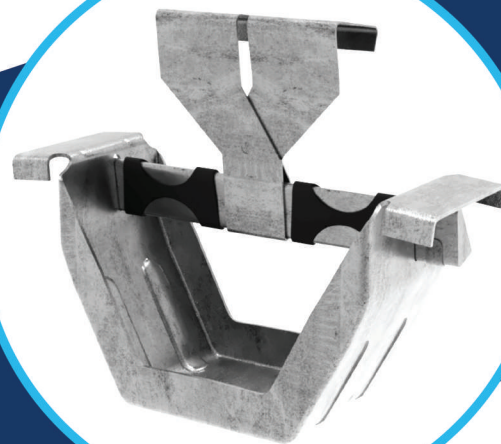
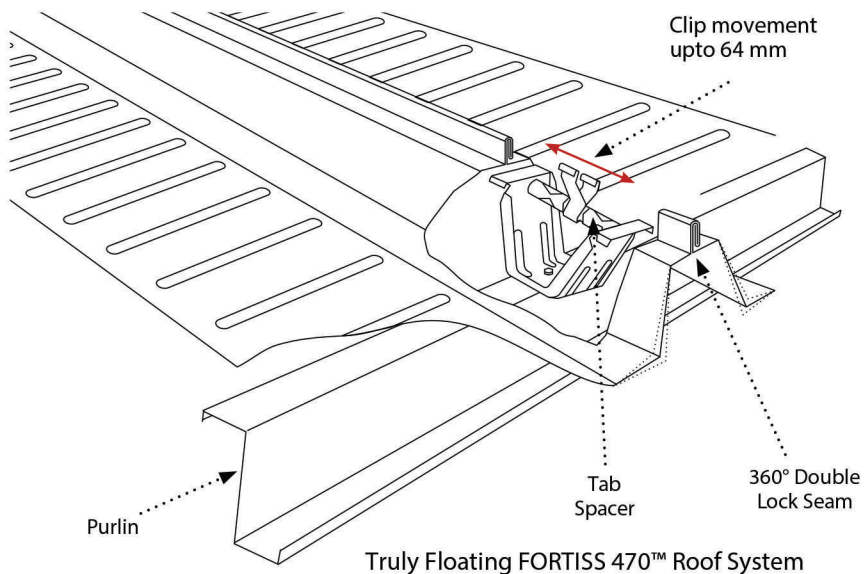




# FORTISS 470™ ROOF CLIP

Specially designed Clip for a Weathertight Performance

Metal roofs expand and contract with daily and seasonal temperature changes. This roof clip is carefully designed to provide a positive attachment and allows the roof to move freely in both directions. Without this mobility, the roof panels would tug and pull on the clip, a process that will eventually cut into the roof panels, pull out the fasteners or damage the clip, causing the building to be vulnerable to leaks and wind damage.



## FORTISS 470™ Clip Advantages

Allows FORTISS 470™ roof system to 'truly float'

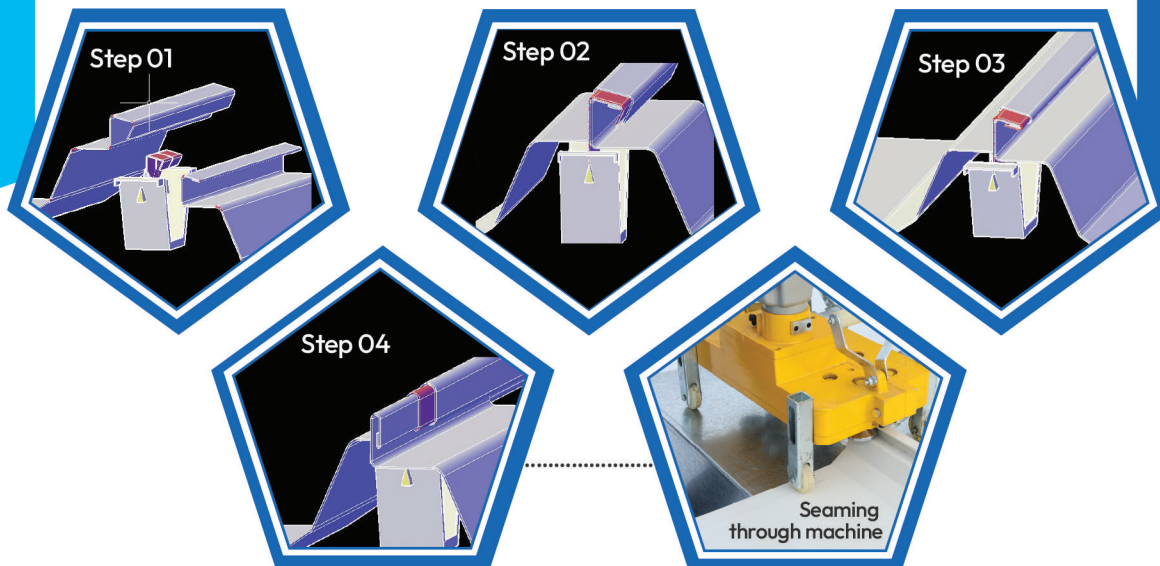
Excellent weather-tight performance

Easy thermal expansion & contraction

Zinc coated triangular bar provides smooth surface for tab movement

## Seaming Technique

First class seamer with advanced motor and tooling making excellent seaming and shortens the roof erection time



**Note:** Panels not fully seamed can collapse or slide out from under the roof. Always use fall protection while installing panels. The seaming operation must follow panel installation as close as possible.



# Ideal for Progressive Sectors



Automobile



FMCG



Manufacturing

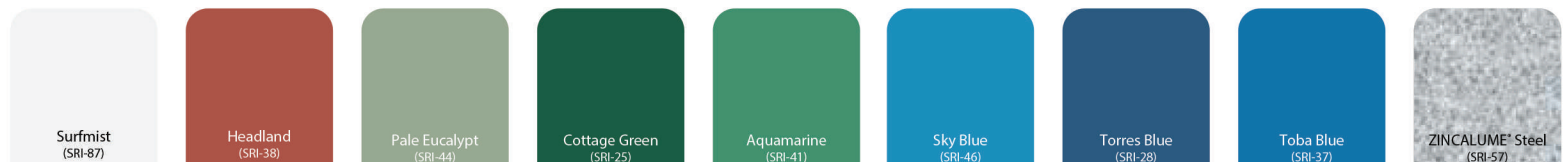


Warehousing



Heavy Machinery

## Vibrant Colour Range



## Disclaimer, Warranties & Limitation of Liability

This publication is intended to be an aid for all trades and professionals involved with specifying & installing Tata BlueScope Steel products & not to be a substitute for professional judgement.

For terms and conditions scan the code



**1800 2708333**  
TOLL FREE

  
**TATA BLUESCOPE  
STEEL**

**Leaders In Colour Coated Roofing & Cladding Solutions**

CIN: U45209PN2005PTC020270

Regd. Office: Floor no. 9 & 10, Kalpataru Infinia, Wakedwadi,  
Final Plot no. 21, Sub plot no.3 at CTS no. 15/1 Shivajinagar,  
Pune - 411003, Maharashtra.

Website: [www.tatabluescopesteel.com](http://www.tatabluescopesteel.com) | Email: [contact@tatabluescopesteel.com](mailto:contact@tatabluescopesteel.com)

Note: "©2023 Tata BlueScope Steel Pvt. Ltd. All rights reserved. No part of this brochure may be reproduced or transmitted in any form or by any means, electronic or mechanical including photocopy, recording, or any information storage and retrieval system, without permission in writing from Tata BlueScope Steel Pvt. Ltd. All brand names mentioned in this brochure are registered trademarks of BlueScope Steel Limited under license to Tata BlueScope Steel Pvt Ltd."