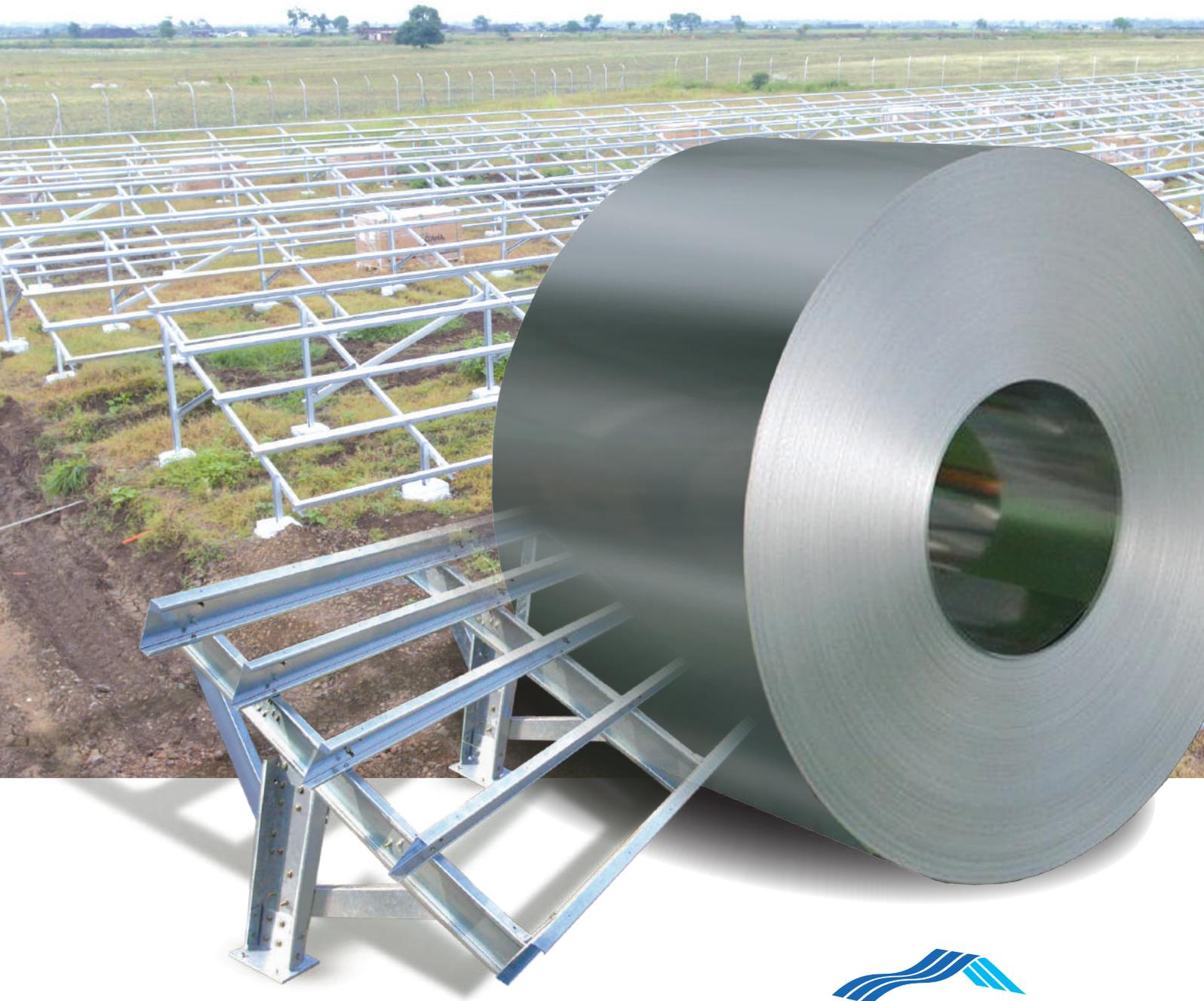


Zincalume®



Mount Your Investments on  
**Trust & Quality**

ZINCALUME® Steel for Solar Module Mounting Structures



  
**TATA BLUESCOPE  
STEEL**

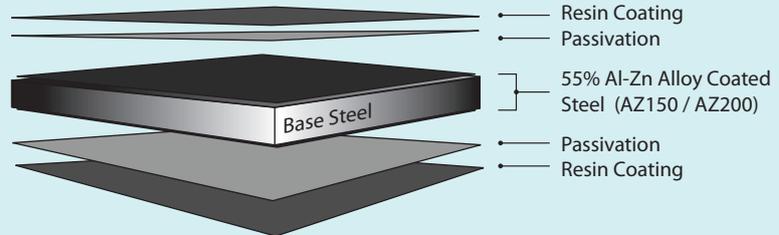
# Zincalume®

Tried and Tested for more than 4 decades

Tata BlueScope Steel is an equal joint venture between Tata Steel and BlueScope Steel. With strong presence in South Asian region, Tata BlueScope Steel offers technologically advanced coated steel products and solutions.

Setting new benchmarks within coated steel industry, ZINCALUME® steel meets the growing demands of a changing built environment for durability, resilience and sustainability.

Launched in 1976, ZINCALUME® steel, is world's leading AL-ZN alloy coated steel product (55% Aluminium, 43.4% Zinc and 1.6% Silicon) and is an outcome of extensive research. Tried and tested under actual climatic conditions, ZINCALUME® performs better than conventional material used in solar structures.



Cross Section of ZINCALUME® steel

ZINCALUME® steel has a minimum 150 g/m<sup>2</sup> to 200 g/m<sup>2</sup> metallic coating distributed equally on both surfaces. It is available in Base Metal Thickness (BMT) ranging between 0.30 mm to 1.35 mm and coil widths upto 1250 mm. It is offered with yield strength of from 300 MPa to 550 MPa depending on the application. ZINCALUME® steel complies with AS1397, ASTM A792M, IS 15961 and ISO 9364 standards.

## Solar Module Mounting Structure

A strong foundation with a focus on renewable energy, India is poised to expand solar power generation across geographies. For utilising its maximum potential, the lifespan of a solar power farm depends on its strong module mounting structure.

### Industry Demands

- ✓ Faster return on investment
- ✓ Significantly longer lifespan
- ✓ Minimum environmental impact
- ✓ Efficient installation process
- ✓ Low in Maintenance
- ✓ Protection from extreme weather condition



# High Strength Light Weight Steel for Solar Module Mounting Structures

ZINCALUME® steel, with its superior corrosion resistance and longer life span is most preferred material for mounting structures. With the surge in solar energy space and demand for high quality light weight module mounting solution; ZINCALUME® steel has emerged as the preferred material by India's top EPC players seeking outstanding durability.



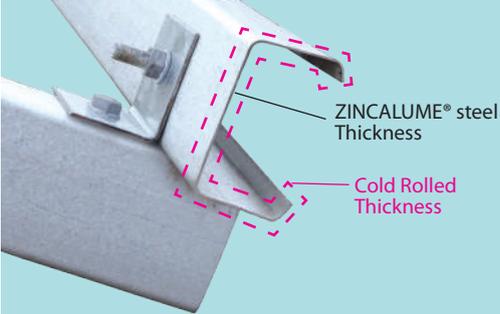
Galvanised steel Z275

ZINCALUME steel AZ150

Cut Edge Performance

### Remarkable Cut Edge Protection

Metallic coating of ZINCALUME® steel combines the barrier protection of aluminum with sacrificial protection of zinc providing a "self-healing" effect on cut edges and scratches, enhancing corrosion resistance. It gives significantly longer service life than galvanized coating.

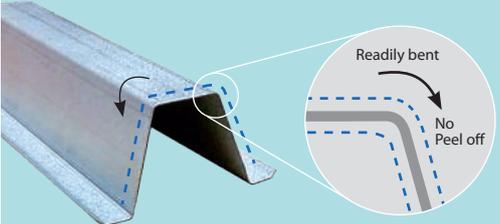


ZINCALUME® steel Thickness

Cold Rolled Thickness

### Light weight solar structure

Conventional GI sections of higher thicknesses can be replaced with 0.7-1.35 mm bmt sections of ZINCALUME® with similar strength making solar structure light weight, it also helps in convenient handling & ease of installation.



Readily bent

No Peel off

### Easy formability

ZINCALUME® steel has specific steel grades suitable for most forming operations, without sacrificing coating adhesion. ZINCALUME® steel can be readily bent & roll-formed. It does not require additional lubricants (which can be potentially hazardous) while forming shapes.



### Low Maintenance

Minimum maintenance backed by ZINCALUME® steel's superior corrosion resistance and longer life span ensures peace of mind and cost effectiveness throughout the life of structure.



### Environmental benefits

ZINCALUME® steel is GreenPro certified, manufactured with minimum impact on environment and is 100% recyclable.



### Decades of proven performance

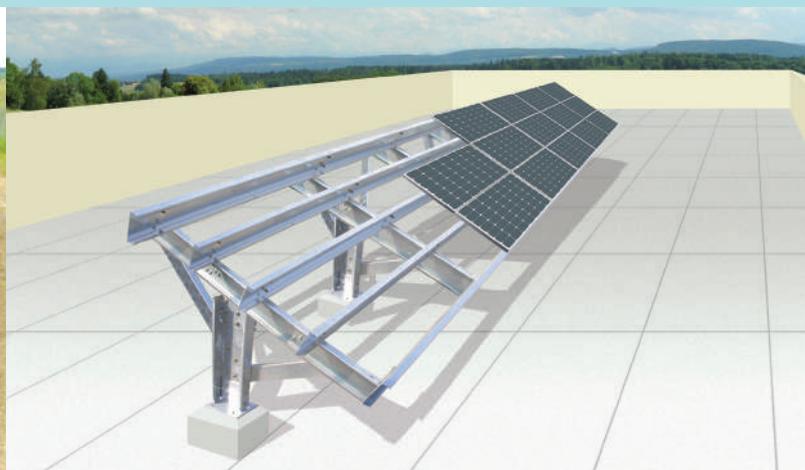
Thousands of samples undergo exposure tests at various locations across the country. Tests have demonstrated that corrosion protection of ZINCLAUME® steel can last upto four times longer than corrosion protection provided by Galvanised steel.

# ZINCALUME® Solutions for Every Need

## Ground Mounting



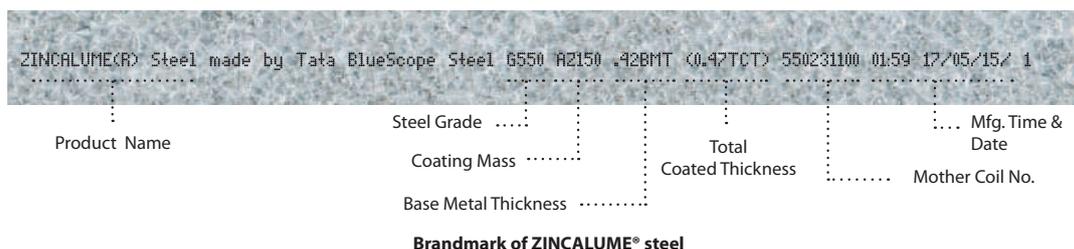
## Rooftop Mounting



Mounting system to be used with RCC compatible accessories

## Genuine Product

Genuine product ZINCALUME® steel is supplied with a landmark at regular intervals on reverse side of the strip. This assures highest quality, backed by a team of qualified, experienced professionals at Tata BlueScope Steel.



## Assured Performance

When you use ZINCALUME® steel from Tata BlueScope Steel you can be rest assured for the required support. Our team of technical experts ensure constant support for the correct use and maintenance of our products. ZINCALUME® steel is also backed by Tata BlueScope Steel Warranty\*, that ensures peace of mind for years to come.

## ZINCALUME® offered by technology inventor

BIEC International Inc. is a wholly owned subsidiary of BlueScope Steel Ltd. and is the worldwide licensor of the technology and know-how associated with 55% Aluminium-Zinc alloy coated sheet steel.

The information and images are only for reference purpose. Please consult Tata BlueScope Steel's Sales office for appropriate recommendation.

\* Conditions Apply



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