

Creating Your New World in Steel

TATA BLUESCOPE STEEL

Colour Coated Steel Solutions for Sustainable and Resilient Infrastructure

Presenter:
Mr. E Suresh Raj – Sr. GM Engineering
e.suresh@tatabluescopesteel.com

12/06/2025

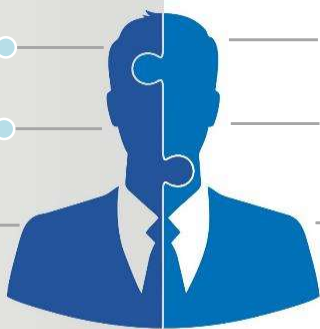


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Partnership

TATA BLUESCOPE STEEL

Legacy of more than 100 years



- Operations in 26 countries
- Commercial presence in over 50 countries
- Highest quality Cold Rolled Steel supplier
- Innovation with Research & Development
- Global leader in Metal coating & Pre-painted steels, Roll-forming and Pre-Engineered Buildings
- World's largest producer of ZnAl coated steel (>2Mtpa)
- 14 Metal coating lines
11 Paint Lines
- Manufacturing excellence with high quality material

TATA TATA STEEL

TATA BLUESCOPE STEEL


BLUESCOPE STEEL

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TATA BLUESCOPE STEEL

Our Purpose

#ShelterForAll



Welcome to **#ShelterForAll**

A movement that redefines our corporate responsibility, transcends boundaries, and embodies our commitment to making a tangible difference in the world.

#ShelterForAll will create a powerful momentum through our collective efforts in **enabling purpose driven business strategies for the larger good**. As we turn our attention to the essence of our existence, we are leaving behind the confines of traditional corporate & product promotion. Instead, **we are embracing a purpose-driven approach that touches lives, uplifts communities, and makes a real difference.**

Join us on this journey, as we collaborate to create a momentum that resonates with the essence of us TaBluvians.

Together, we're not just building structures; we're building dreams, hopes, and a brighter future for all.

Courage
Compassion
Competence
Class
Collaboration
Celebrate
#ShelterForAll

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TATA BLUESCOPE STEEL


Sustainability

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Why Green

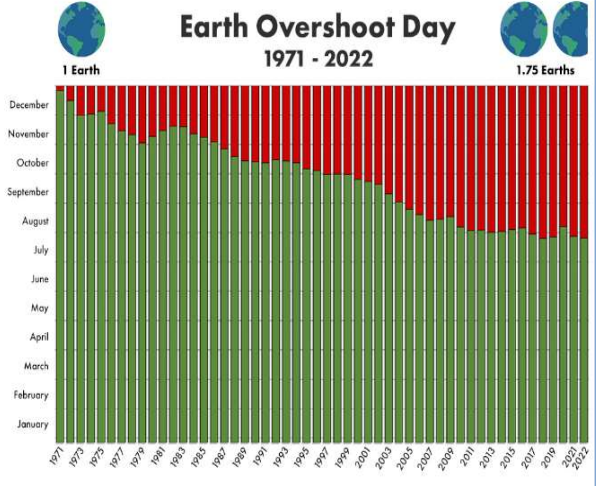
TATA BLUESCOPE STEEL



Country/Region	CO ₂ Emissions per Capita (tonnes)
World Average	~4.7
India	~2.2
China	~7.6
United States	~14.9
European Union	~6.0
Russia	~11.4
Japan	~8.3
Brazil	~2.3
South Africa	~6.8

Earth Overshoot Day 1971 - 2022

1 Earth | 1.75 Earths



Source: National Footprint and Biocapacity Accounts 2022 Edition
data.footprintnetwork.org

Responsibilities with us

1. Net zero targets
2. Green Products / Green Energy
3. Sustainability regulations and initiatives

Courage Compassion Competence Class Collaboration Celebrate #ShelterForAll

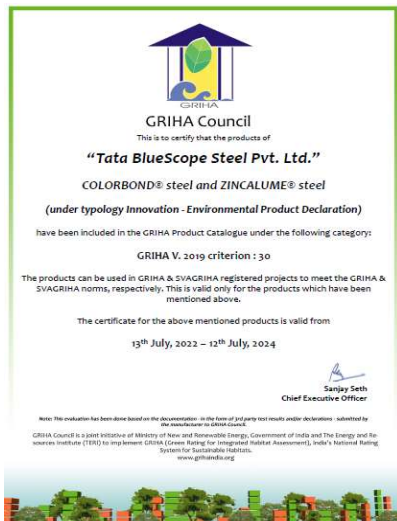
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Green Certified

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STEEL



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Hazardless Paint for Rain water harvesting

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Resource and Energy savings

A STEP TOWARDS
SUSTAINABILITY WITH
REUSABLE & RECYCLABLE
MATERIAL THAT LASTS FOREVER

Go Green with COLORBOND® Steel
STYLISH | SUSTAINABLE | SUPERIOR PERFORMANCE
#BUILDYOURBOLD

Reflect sunlight
Save the environment

Go Green with COLORBOND® Steel
STYLISH | SUSTAINABLE | SUPERIOR PERFORMANCE
#BUILDYOURBOLD

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Next Gen COLORBOND® steel

Embracing the Future of Sustainable Architecture

Color Retention
Between 25% - 30% Improvement


Reduction in Chalking
Between 25% - 50% Improvement

Gloss Retention
Improvement more than doubled


Continued Thermatech®
solar reflectance technology.

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SuperShield™
Ultimate Armor Against corrosion



**TATA BLUESCOPE
STEEL**


Unparalleled Protection in Aggressive Environments

Superior Corrosion resistance against harsh and aggressive environments

It's special coating system is tested & proven in diverse, hot, humid as well as damp conditions. This coating protects the strong steel of SUPERSHIELD™ from smoke and steam generated during manufacturing of specific products. SUPERSHIELD™ roof and wall cladding solution excels in challenging internal as well as external industrial environments for industries like:


- Chemical Industries
- Foundry
- Agriculture Sector - Fertilizers
- Animal Husbandry
- Processing Industries etc.

Exposed Outside Color
DFT: 30 µm



Elite Cloud White
(RAL 9002)

Exposed Inside Color
DFT: 35 µm



Elite Traffic Grey
(RAL 7042)

**Interior with 35
microns paint
thickness**

+

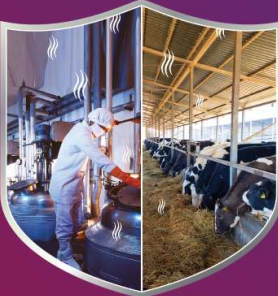
**Exterior with 30
microns paint
thickness**

=

**Total 65 microns
Painted on
AZ150**


Colour Coated
Roof & Wall Cladding Solutions

Innovative Coating with
Superior Corrosion Resistance



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Sustainable Initiatives

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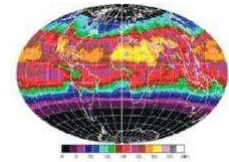
Quality Assurance : Real life tests -Outdoor Exposure test



Real Life performance testing : Corrosion & Paint Performance

Bellambi Point – Severe marine test site

Rated as C4 corrosion test site according to ISO 9223 and AS/NZS 2728



Monitor real life performance on buildings



Wide range of long term exposure sites around the world (> 40 years) Testing of ~ 18,000 samples per year

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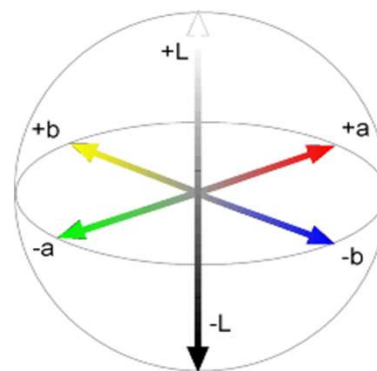
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Lab Testing : Routine Tests carried for every coil / lot



- ❑ **Adhesion test T Bend Test** – it measure the flexibility and adhesion of paint with the substrate.
- ❑ **Impact Test** : it measure the flexibility and adhesion of paint with the substrate when product under impact force i.e.10 J
- ❑ **Paint Thickness** : it measure the Dry film thickness (DFT) on top and bottom coat in micron
- ❑ **Pencil Hardness**: it measure the paint film hardness using graphite clay mix pencils of various hardness (9H to 9B). This will check the paint cure
- ❑ **Color Difference**: It measure the color difference in comparison with standard Color difference (l,a, b value) . Delta E < 1.5

As per IS 15965 : 2012 and beyond



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Non-Routine Tests simulated atmospheric Conditions



- ❑ **Salt Spray** (ASTM B117) – it test the corrosion performance in costal/ salty environment
- ❑ **QUV** : it measure the performance of painted surface for colour & gloss (the equipment simulate condition of cyclic Ultra Violet weather in chamber)
- ❑ **Q-Fog** : it measure corrosion performance (the equipment provides cyclic corrosion testing that offers the best possible laboratory simulation of natural corrosion) .
- ❑ **Kesternich SO₂ test** : it measure the corrosion resistance (the equipment create acid rain environment inside the chamber)
- ❑ **Humidity Testing** : it measure the performance in water exposure (relative humidity 100%, temp 38 deg, 5% NaCl, PH -4)

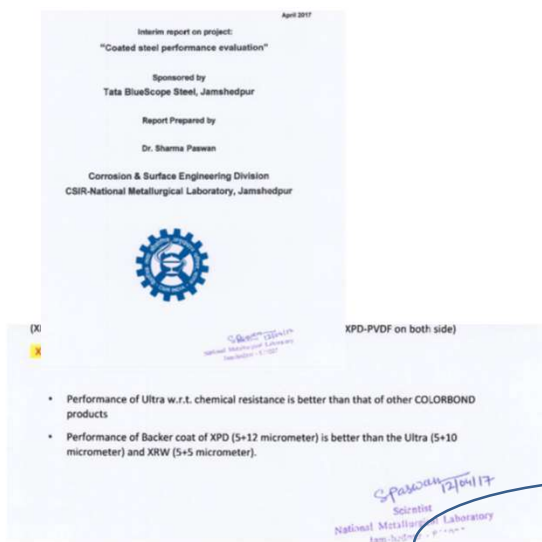
As per IS 15965 : 2012
and beyond

Expected Product Service Performance



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NML Kolkata and IIT Mumbai – Test results



IIT Bombay
Prof. A. S. Khanna
(Fellow NACE, Fellow ASM, Fellow AIST)

Telefax : (+91-22) 25767891 (O)
Fax : (+91-22) 25723480, 25726975
E-mail : khanna@iitb.ac.in
Chairman : SSPC India
President : Humboldt Academy of Bombay

Tata BlueScope Steel Limited
The Metropolitan, Final Plot No 27, Survey No 21
Waldewadi, Shivajinagar
Pune - 411005, India

February 9, 2017

Your ref. No. Nil & your email dated September 27, 2016

Our Job No. IN/ASK-46/16-17

Dear Sir

Subject : - Chemical resistance evaluation of the coated steel as per ASTM D1308 (3.1.1)

Tata BlueScope Steel Product	Top Color	Cell ID	Sample size (mm)	No. of samples
COLORBOND® XRW steel (XRD)	Surfinit	4502593100	100x75	4 Scribed & 4 Plain (not scribed)
COLORBOND® Ultra steel (Ultra)	Surfinit	4504004100	100x75	4 Scribed & 4 Plain (not scribed)
COLORBOND® XP0 steel (PVDF)	Surfinit	4508433100	100x75	4 Scribed & 4 Plain (not scribed)

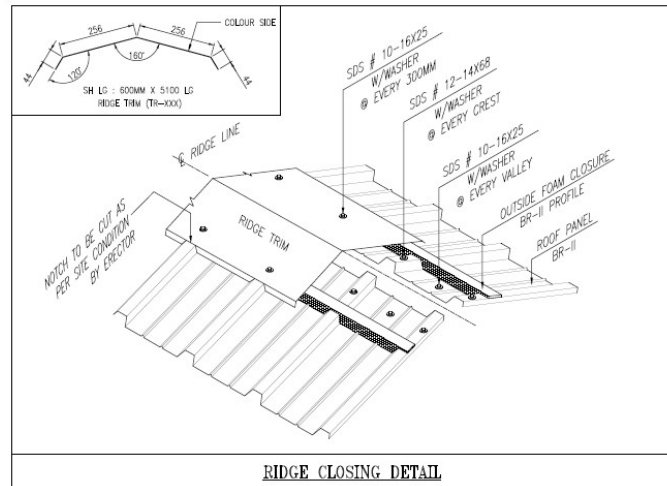
Of the 3 pre-painted steel products of Tata BlueScope Steel tested for corrosion when exposed to acid and alkali chemicals, COLORBOND® Ultra steel performed best.

A.S. Khanna
A.S. Khanna
Prof. A. S. KHANNA
Corrosion Science & Engineering
Dept. of Met. Engg. & Material Science
IIT Bombay

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Leakproof and Weather proof



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Sustainable initiatives by Tata BlueScope Steel



Sr.No	Projects	Impact Area/Target Reduction of GHG intensity	
1	Energy Management system & Utility water Management system	Environmental	<p>Initiatives on</p> <ul style="list-style-type: none"> <input type="checkbox"/> GHG emission control <input type="checkbox"/> Pollution control <input type="checkbox"/> Energy Savings <input type="checkbox"/> Water management <input type="checkbox"/> Waste management
2	Installation of VRV Controller unit for controlling Admin office VRV AC system.	Process Efficiencies, Control on wastage	
3	Installation of Solar lights for Plant outside illumination	Environmental	
4	Revival and Upgradation of sustainable based 10 kLD STP according to compliance requirement	Process Efficiencies, Control on wastage	
5	Replacement of 625 kVA DG with 250 kVA DG with CPCB-4 norms	Pollution control	
6	Installation of 165 kwp Roof Top Solar Power Plant	Environmental	
7	Garden Waste Management by installing Garden Waste Shredder.	Process Efficiencies, Control on wastage	
8	Reusing coil packing PP sheets by folding them for use in FG bundle packaging	Process Efficiencies, Control on wastage	
9	TANGEDCO Contract demand reduction from 500 kVA to 250 kVA for reducing Electricity bills	Cost, Environmental	
10	Automatic shutdown of Rollforming machines when not in operation to reduce power consumption and eliminate energy waste.	Process Efficiencies, Control on wastage	

Celebrate

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Sustainable initiatives by Tata BlueScope Steel



Tata Group has set a target to achieve net-zero emissions across its global operations by 2045.



Solar Project at Bhiwadi



Solar Project at Jamshedpur



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Sustainable initiatives by Tata Sustainability Group



TATA SUSTAINABILITY GROUP | Hello, e.suresh | Logout

TATA SUSTAINABILITY MONTH JUNE 2025
POWERED BY TATA SUSTAINABILITY GROUP (TSG)

TAKE A PLEDGE TODAY! MAKE A PACT. CREATE A SUSTAINABLE IMPACT.

Choose from pledges on

- The SMART Minimalist: Decarbonisation
- The SMART Futurist: Circular Economy
- The SMART GreenThumb: Biodiversity
- The SMART Samaritan: Volunteering

The more pledges you take, the more the benefits - to you and the planet. So take as many pledges as you can.

I pledge to

Take the stairs	1.26 kg CO ₂ e
Operate the air conditioner at 24°C instead of 20°C	0.32 kg CO ₂ e
Avoid single-use plastic	8 kg CO ₂ e
Walk, cycle, or use public transport	360 kg CO ₂ e
Avoid showers and use buckets for bathing	43,800 Litres
Reduce personal screen-time to two hours a day or less	6.9 kg CO ₂ e

Note: These are estimated savings on living the pledge for a year. Scroll to view more

Your Total Savings

Carbon	376.48 kg CO ₂ e
Water	43,800 Litres

Submit | Take More Pledges | Share

Thank you for pledging to be the SMART ONE

You've made a smart start, but the smarter thing to do is to follow through.

Come back to this TSM Pledge Page after 26 June 2025 to share how your pledges are shaping up, and stand a chance to win exciting prizes.

But remember, being smart isn't just for TSM. Let these sustainable choices become second nature - every day, all year round.

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Competence

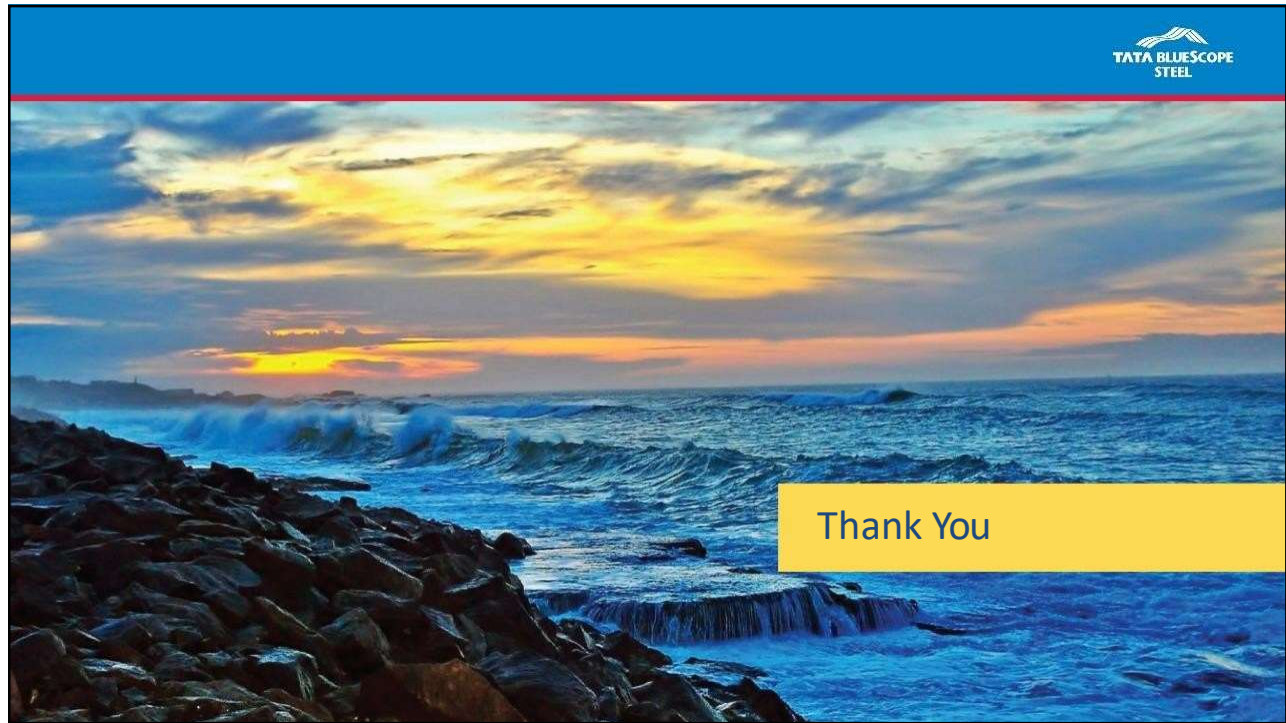
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