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April'19

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## COLOUR COATED COILS & SHEETS



**JSW Steel** helping india  
move forward.

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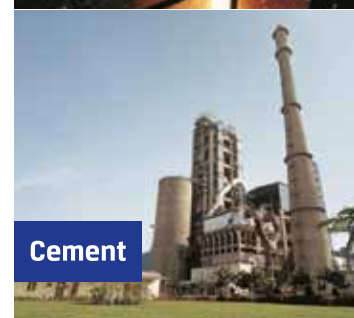
Steel



Energy



Infrastructure



Cement



Sports



Foundation



Paints



Living



Ventures

## JSW Group

A \$14 billion conglomerate, with presence across India, USA, Italy, South America & Africa, the JSW Group is a part of the O.P. Jindal Group with strong footprints across economic sectors, namely, Steel, Energy, Infrastructure, Cement also in Ventures, Sports, Paints and Furniture.

The Group is paving the way for India's development as a global superpower. JSW Steel is India's leading steel producer and among the world's most illustrious steel company. The Group is also leading in every sector that it operates in.

JSW Energy is one of the earliest private entrants into the power sector positioned strongly as a full-spectrum integrated power company with a presence across the power sector value chain. It is one of the most efficient Power Company in the country with one of the country's largest open cast mining operation by volume and one of the largest private sector Hydro Operator in India. JSW Cement creates the building blocks of India with its environment friendly products. JSW Infrastructure is contributing to the nation's development by providing world class services to clients through state of- the-art ports, terminals, shipyards and other facilities. JSW Sports runs the Sports Excellence Program (SEP) to identify, nurture and develop Indian athletes to ensure that they bring sporting glory to the nation on the global stage. JSW Sports also runs the Bengaluru Football Club, Delhi Capitals cricket team and the Haryana Steelers kabaddi team.

JSW group has ventured into steel furniture business with the launch of its brand, Forma under the company JSW Living. The company will be present across the value chain of furniture, furnishings and daily living objects that impact the Indian consumer's life.

JSW Paints is a greenfield venture of the JSW group backed by cutting-edge technology, automation and scale that's comparable to leading players in the Indian paints sector. The company will manufacture and market both industrial coatings as well as decorative paints. In the Decorative paints segment, the company will offer a complete range of only water-based paints for Interior & Exterior walls, wood & metal – various surfaces in Homes.

JSW Ventures is an early-stage, tech-focused, venture capital fund of JSW Group. JSW Ventures extends its partnership not just through capital, but through a commitment to build exceptional companies by developing growth strategies, improving financial functions, and providing access to the investor community and support from JSW Group's extensive resources.

The JSW Group is committed to creating more smiles at every step of the journey. JSW Foundation, the Group's CSR and sustainability arm, is in constant pursuit of making life better for communities with its various initiatives in the fields of health, education, livelihood and sports, along with art and culture.

JSW Group is proud to be charting a course to excellence that creates opportunities for every Indian and leads to the creation of a sustainable, dynamic and developed nation.



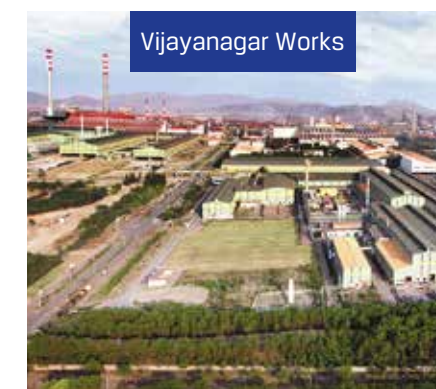


## JSW Steel Ltd.

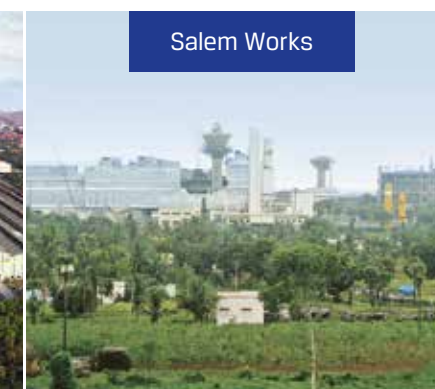
The flagship company of USD 14 billion JSW Group, JSW Steel is one of India's leading integrated steel manufacturers with a domestic capacity of 18 MTPA. It is one of the fastest growing companies in India with a footprint in over 100 countries. With state-of-the-art manufacturing facilities located in Karnataka, Tamil Nadu and Maharashtra, it is recognized for its innovation and quality.

JSW offers a wide gamut of steel products that includes Hot Rolled, Cold Rolled, Bare & Pre-painted Galvanized & Galvalume®, TMT Rebars, Wire Rods, Special Steel, Electrical Steel and Tinplate.

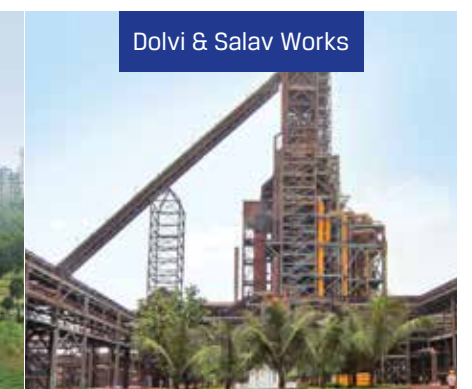
JSW Steel continues to enhance its capabilities to meet the rapidly changing global market needs. To stay on the leading edge of technical advancement, JSW has entered into technological collaboration with JFE Steel Corp, Japan to manufacture high strength and advanced high strength steel for the automobile sector. JSW Steel has also entered into a joint venture with Marubeni-Itochu Steel Inc. Tokyo, to set up a state-of-the-art steel processing centers. To strengthen its global network, The company has acquired steel manufacturing facilities at Texas & Ohio in USA & in Piomboni, Italy. Going forward, JSW Steel aims to increase the annual production to 40 million tons within a span of 10 years.



Vijayanagar Works



Salem Works



Dolvi & Salav Works





## JSW Steel Coated Products Ltd.

JSW Steel Coated Products Limited is 100% subsidiary company of JSW Steel, having state-of-the-art manufacturing facilities in the state of Maharashtra.

JSW Steel Coated Products Ltd. is India's largest manufacturer and exporter of Coated Steel as well as Colour Coated Steel. The production facilities, Tarapur and Vasind Works, are located in the vicinity of major ports. The company's Kalmeshwar Works is centrally located near Nagpur to serve across regions.

JSW is an ISO 9001: 2008 Certified Organization and the first licensee producer for Galvalume® in India. The Tarapur plant is specialized in manufacturing Ultra-Thin Coated Products. The company is also a manufacturer of appliance grade colour coated products. JSW's Kalmeshwar Works is the first producer of Galvanized and Colour Coated Steel in India. JSW also has established India's first Appliance Grade Line to manufacture Pre Coated and Vinyl Coated Metal.



Vasind Works

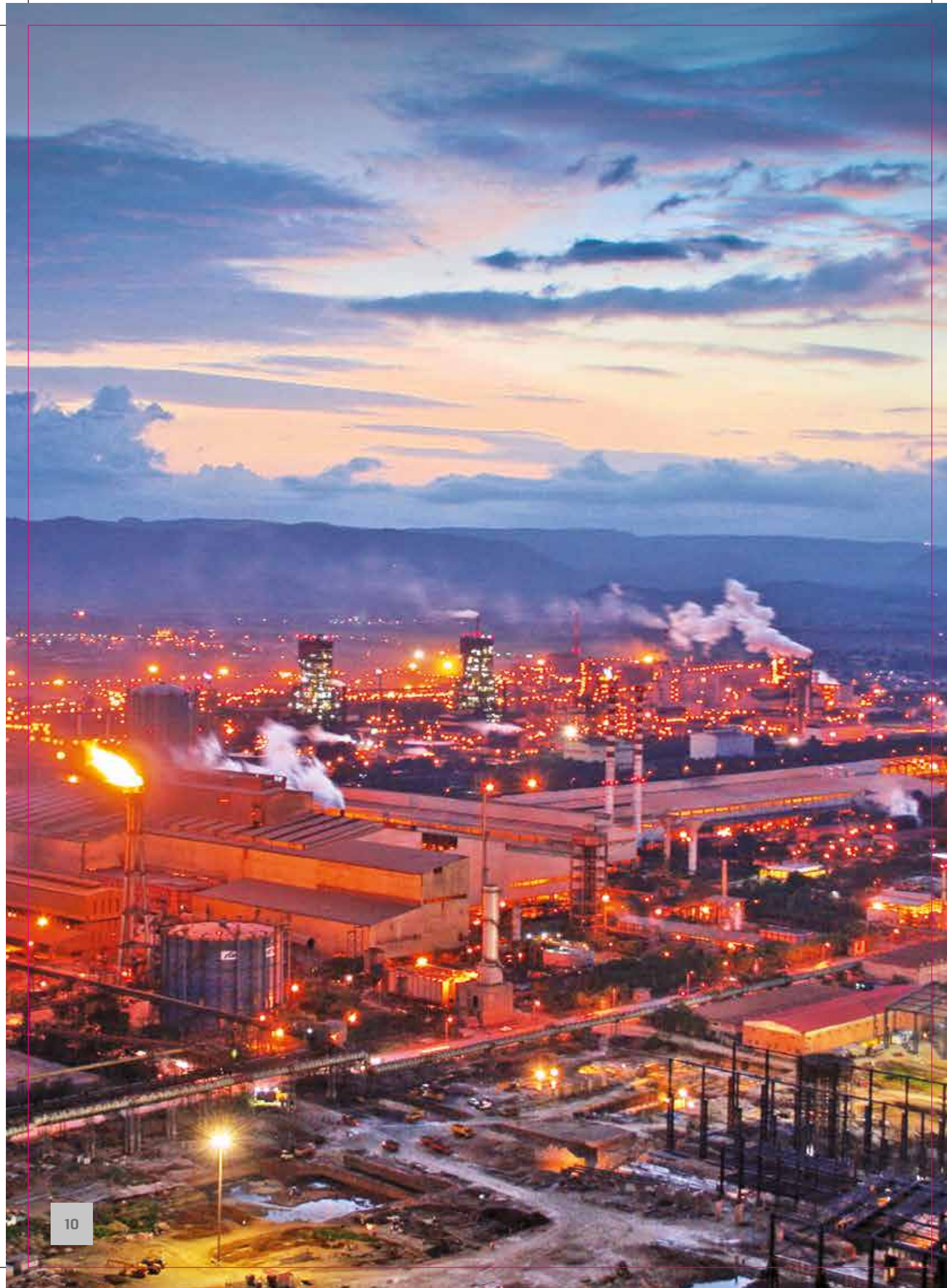


Tarapur Works



Kalmeshwar Works





Steel Melting Shop

## Setting Benchmarks

- First continuous annealing line in India
- Widest Cold Rolling Mill (upto 1870 mm width)
- India's largest Coated Steel producer
- First Licensee Galvalume® producer in India
- JSW Steel Salem works is the largest integrated Alloy and Special Steel plant in India
- One of the widest Hot Strip Mill in India
- India's most modern and largest Vertical Caster-300/260/220 x 2200 mm
- India's only Multi-Radii Bloom Caster operational at Salem works
- ZERO EFFLUENT discharge for greener & cleaner environment
- 1.6 million trees planted at Vijayanagar works, transforming the area into a green oasis
- India's largest Long Steel producer by installed capacity



Blast Furnace - IV





### **JSW Steel wins the prestigious Deming Prize for its excellence in TQM**

The JSW Vijayanagar Works is the largest single location integrated steel plant in the world to be awarded the prestigious Deming Prize for excellence in Total Quality Management (TQM) presented by the Union of Japanese Scientists and Engineers (JUSE)

## Award & Recognitions

### **Business & Operations**

CII Exim Bank Awards for Business Excellence, 2018

The 25th Steel Minister's Trophy for the best performing integrated steel plant, 2016-17

IMC RBNQA Performance Excellence Trophy, 2016

### **Management**

Business Standard CEO of the Year Award, 2018

Outstanding Business Leader of the Year CNBC-TV18, 2018

Chief Finance Officer of the Year, 2018

### **Sustainability**

CII 19th National Award for Excellence in Energy Management, 2018

Apex India Energy Efficiency Award, 2018

Golden Peacock Environment Management Award, 2018

CII - National Energy Management Award, 2017







India's largest  
Colour Coated Steel producer

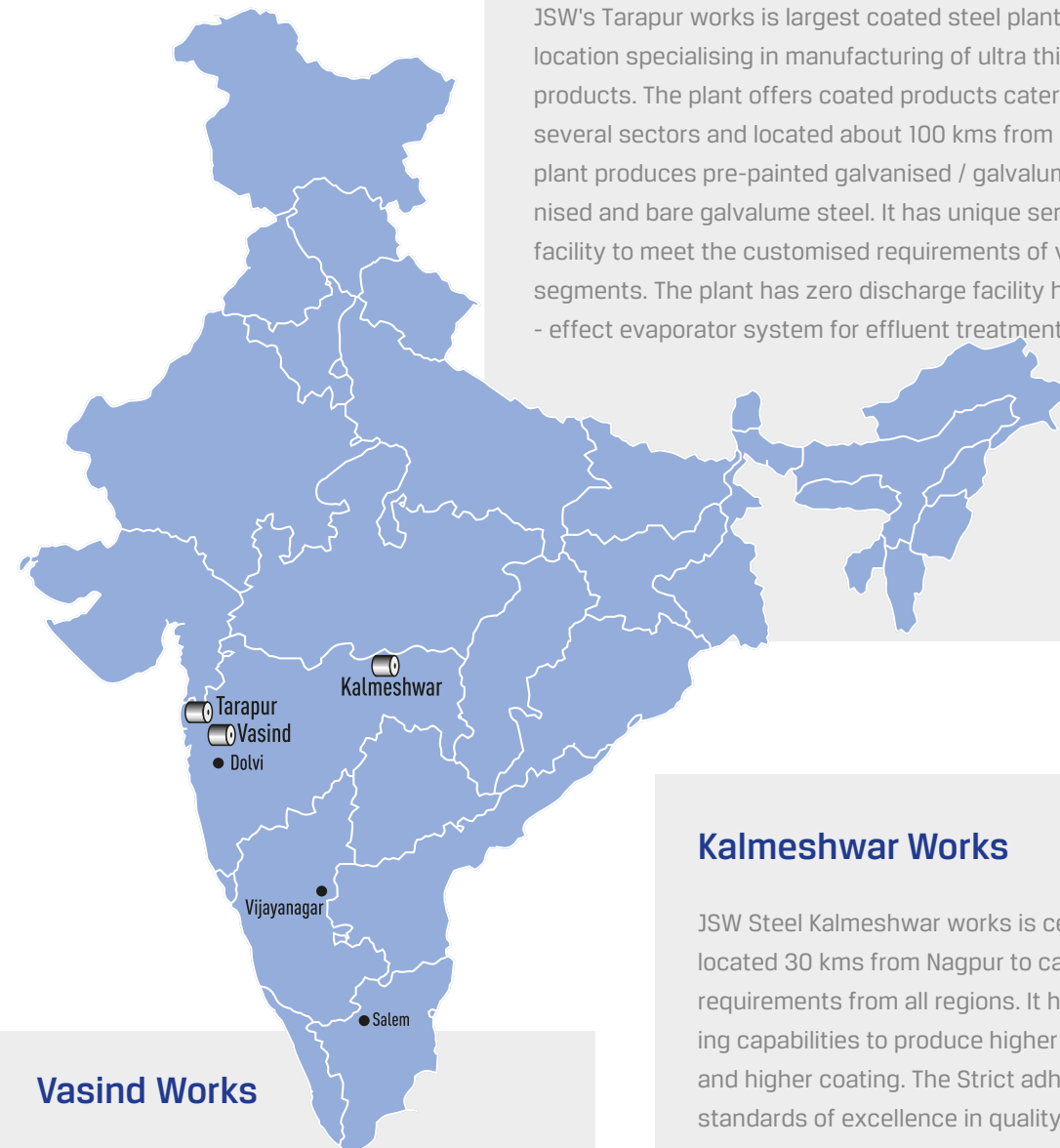




# Manufacturing Facilities

## Tarapur Works

JSW's Tarapur works is largest coated steel plant in a single location specialising in manufacturing of ultra thin coated products. The plant offers coated products catering to several sectors and located about 100 kms from Mumbai. The plant produces pre-painted galvanised / galvalume, galvanised and bare galvalume steel. It has unique service center facility to meet the customised requirements of various segments. The plant has zero discharge facility having multi - effect evaporator system for effluent treatment.



## Vasind Works

Vasind works is located 70 kms from Mumbai. It is a full fledged complex with cold rolling, galvanising and colour coating facilities. Vasind works has India's first appliance grade colour coating line, the grades of this line are approved by major white good manufacturers. It sources HR steel from Dolvi & Vijayanagar works to manufacture value added steel products.

## Kalmeshwar Works

JSW Steel Kalmeshwar works is centrally located 30 kms from Nagpur to cater the requirements from all regions. It has galvanising capabilities to produce higher thickness and higher coating. The Strict adherence to standards of excellence in quality has lead to attain many world renowned certification to kalmeshwar works. JSW Kalmeshwar works is first coated steel manufacturing facility in India. It produces galvanised, Galvalume, pre-painted galvanised / galvalume steel.



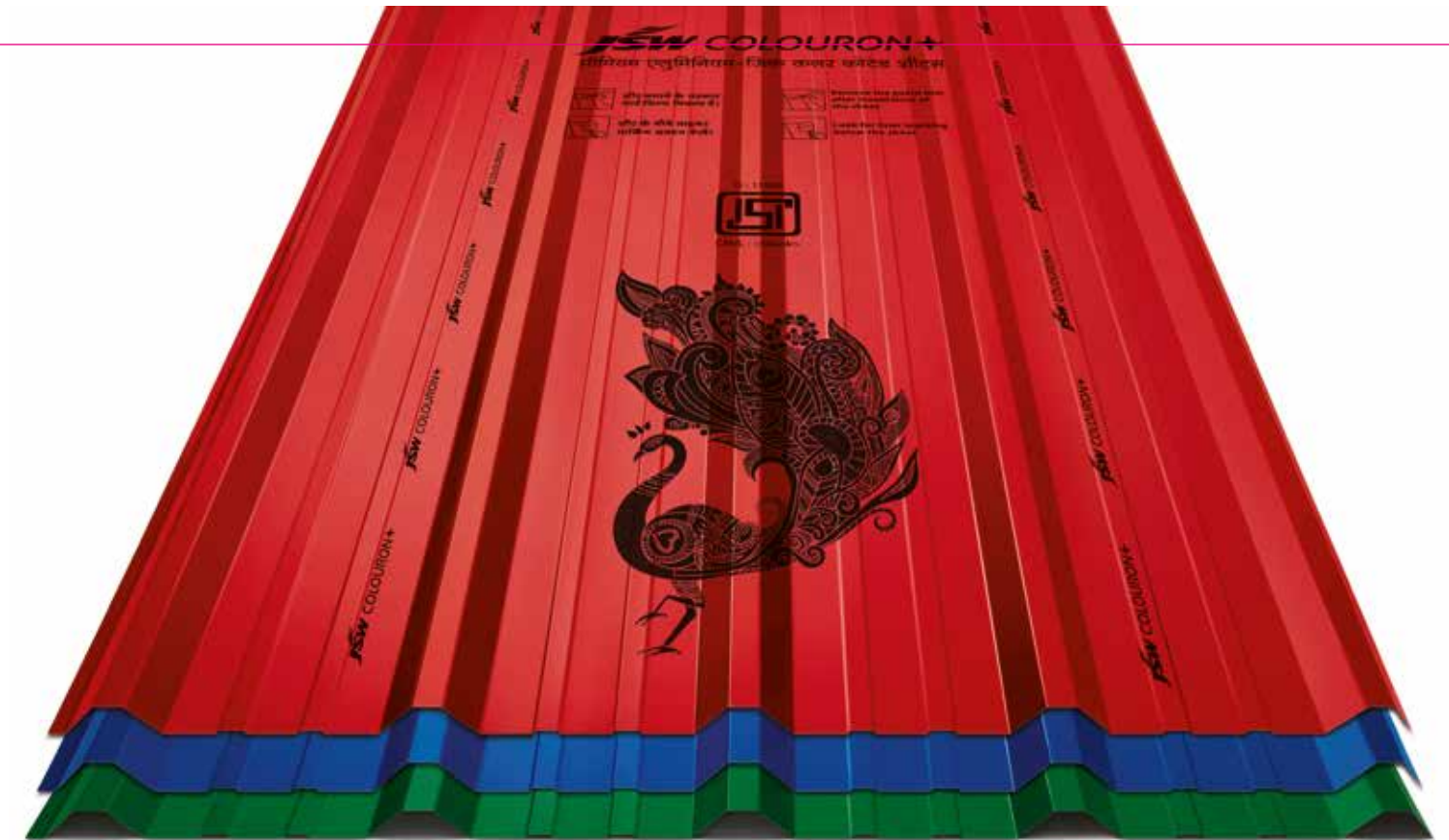


# Colour Coated Steel

JSW envisions setting a benchmark in terms of quality in steel industry. This vision fuels the development of latest technology; discovery of newer manufacturing and operating practices and the constant betterment of steel.

JSW Colour Coated Products are this vision shaped and rolled into steel of the highest quality. JSW pre-painted products offer a unique blend of advantages – the strength of steel, enhanced corrosion resistance and the aesthetic appeal of paint. For retail segment, the pre-painted steel are branded as JSW Pragati, JSW Coloureon+ & JSW Everglow.

As a pioneer in Colour Coated Steel, we create and build exceptionally brilliant color coated products for customers who admire quality. JSW Colour Coated Products are vibrant, exciting colour coated steel in variety of shades, designs and finishes. These products give you the opportunity to turn almost anything into a canvas for your imagination. JSW Colour Coated Products are more than just good looking, they also provide the user industry multiple advantages. It is endowed with the strength of steel, enhanced corrosion resistance and protection against all weather.



## JSW Everglow Advanced Roofing Technology

JSW Everglow is a super-premium and technologically superior steel product with Aluminium Zinc coating of 150gsm and Super Durable Polyester (SDP) paint coating. The Bottom Colour Paint Coating in JSW Everglow makes it uniquely positioned for interior aesthetics as well as strong roofing solutions. JSW Everglow offers colour coating on both sides with for the first time in India with a 10 year warranty\* on paint.

## JSW Coloureon+ Premium Al-Zn Colour Coated Sheets

JSW Coloureon+ are premium colour coated sheets, available in vibrant colour range. Due to Al-Zn coating, JSW Coloureon+ offer enhanced corrosion resistance, protection against all weather conditions, longevity of colour coating and exceptional durability of colour shades ensure that brand lives up to its promise- "Beauty that lasts forever".



# Advantages JSW



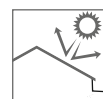
## Superior quality steel

JSW Colour Coated Steel is manufactured using high quality hot metal, made of most superior and environmental friendly Corex technology. It offers several grades including high tensile steel with a yield strength of min. 550 mpa and max. 700 mpa to meet the need of various applications.



## Superior corrosion resistance

Colour Coated sheets are available in a wide Al-Zinc alloy coated range (70 to 200 gsm) to provide excellent corrosion protection in various climatic conditions.



## Heat reflectivity

Roof made from light coloured JSW Colour Coated Steel can result in less heat radiation into the home, compared to other commonly used roofing materials. Steel roof when combined with insulation makes a cost effective, energy efficient roofing system.



## Environment-friendliness

JSW Colour Coated Steel have a long life and if eventually replaced are recyclable without losing quality. The paint used to coat the base metal is also toxic free.



## Formability

Can be readily roll formed, bent, pressed, cut, drilled, lock seamed and stamped without sacrificing coating adhesion / quality of paint.



## Superior paint technology

JSW Colour Coated Steel is available in a variety of paint systems like, Regular Modified Polyester (RMP), Silicon Modified Polyester (SMP), Super Durable Polyester (SDP), Poly Vinylidened Fluoride (PVDF) etc. The base metal has the first layer of primer coating on both top & bottom surface for superior adhesion with the paint system. The final paint coat provides additional protection to withstand harsh weather conditions and other factors affecting longer life. The superior coating technology resists cracking and peeling even during heavy forming operations.



## Additional protection

A thin organic low density polythene film (30-40 micron) protects the sheets from transit and storage damage and lubricates the sheet's surface during forming. It also helps in retaining the coated sheet's appearance for a long period of time.



## Architectural creativity

Easy formability and bending property opens new horizons to the architect's creativity. The wide range of colours provides options to the architect to customise requirements.



## Aesthetic appeal

Available in a wide range of colours, finishes, gloss levels and textures with exceptional batch to batch consistency.



## Easy to install and maintenance free

It is quick, easy and convenient to use JSW Colour Coated Steel for roofing and cladding application. The availability in wide product range makes installation easy and convenient with a minimum wastage. The light-weight, high strength combination especially in Galvalume/ Al-Zinc coated steel makes them economical as they require lighter supporting structure and also reduces transportation costs, and they are virtually maintenance free.

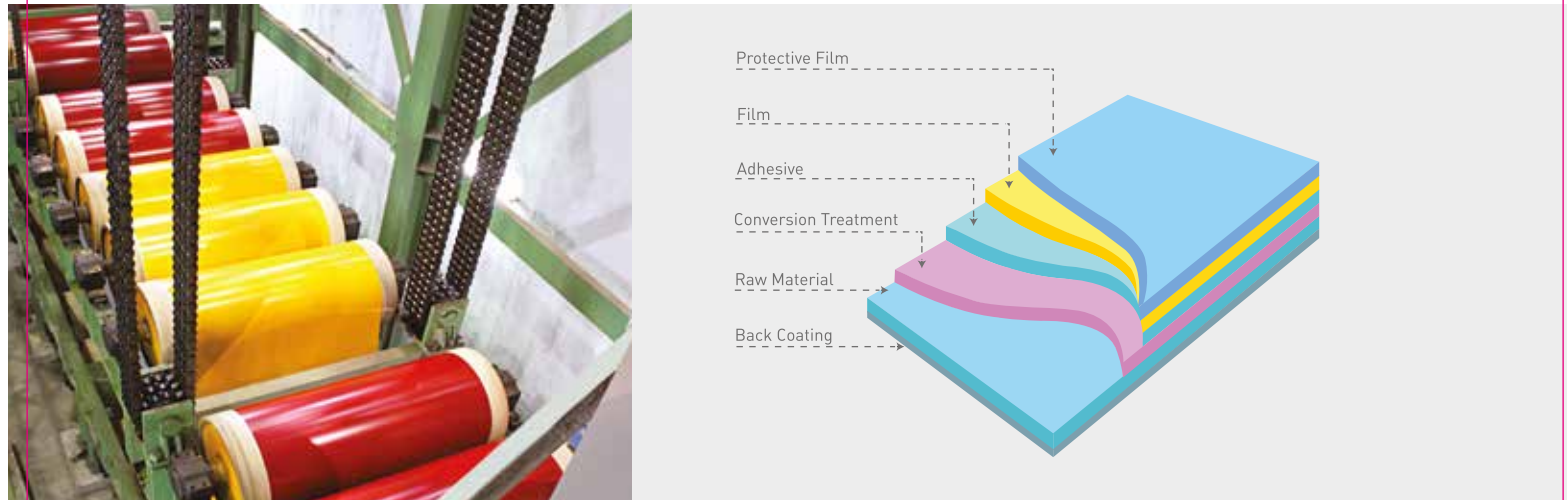




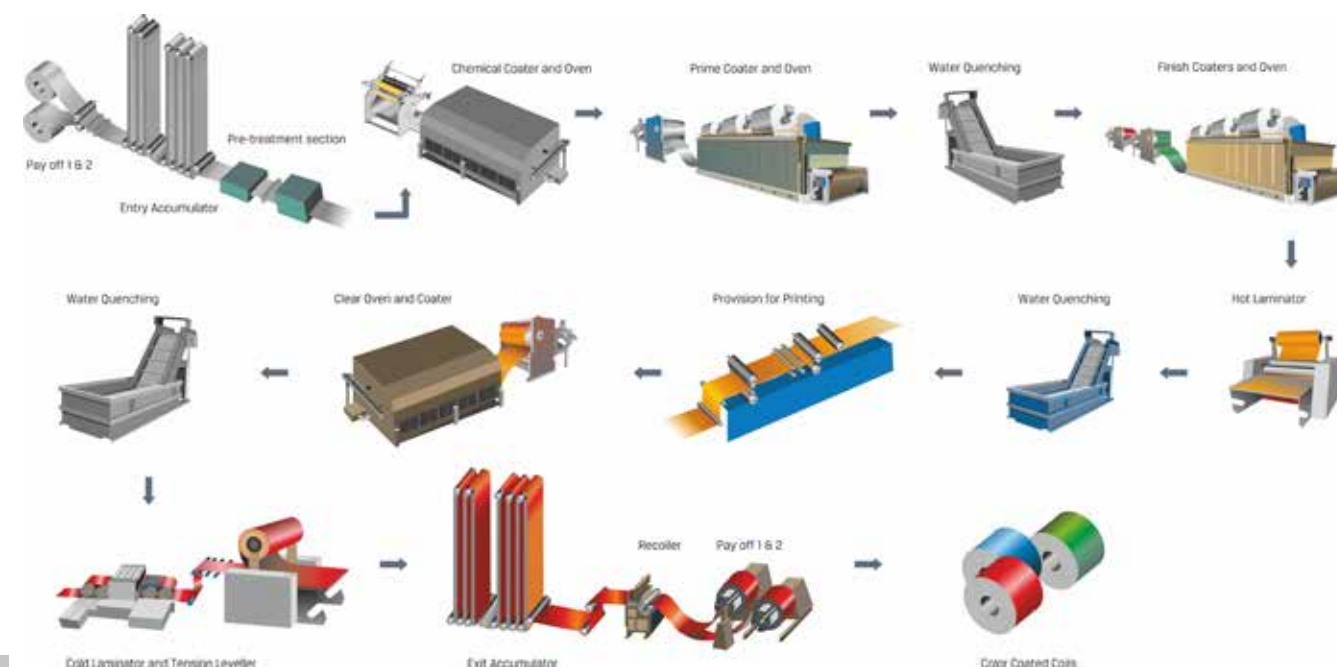
# Pre Coated Metal (PCM)

A cleaned, pre-treated Galvanised or Galvalume® steel sheet in coil form is applied with various layers of organic coatings such as paints, vinyl dispersions or laminates. These coatings are applied in a continuous process known as Coil Coating.

The steel thus produced is a prepainted, prefinished ready-to-use material. PPGI is the material which uses Galvanised & Galvalume® steel as the basic substrate metal. It can be used both in home appliances and construction.



## Manufacturing process



## Available Paint types

### Regular Modified Polyester - RMP

- Colour Coated Steel that is painted and dried with polyester
- Excellent workability, weather resistance and durability
- Wide range of colours and brightness that make it suitable for various applications like interior and exterior construction materials, assembling metals, and partitions
- Substrate: GI, GL
- Applications: 1. Lightweight partition & Steel furniture 2. Roofing and Sliding & Sandwich panel

### Silicon Modified Polyester - SMP

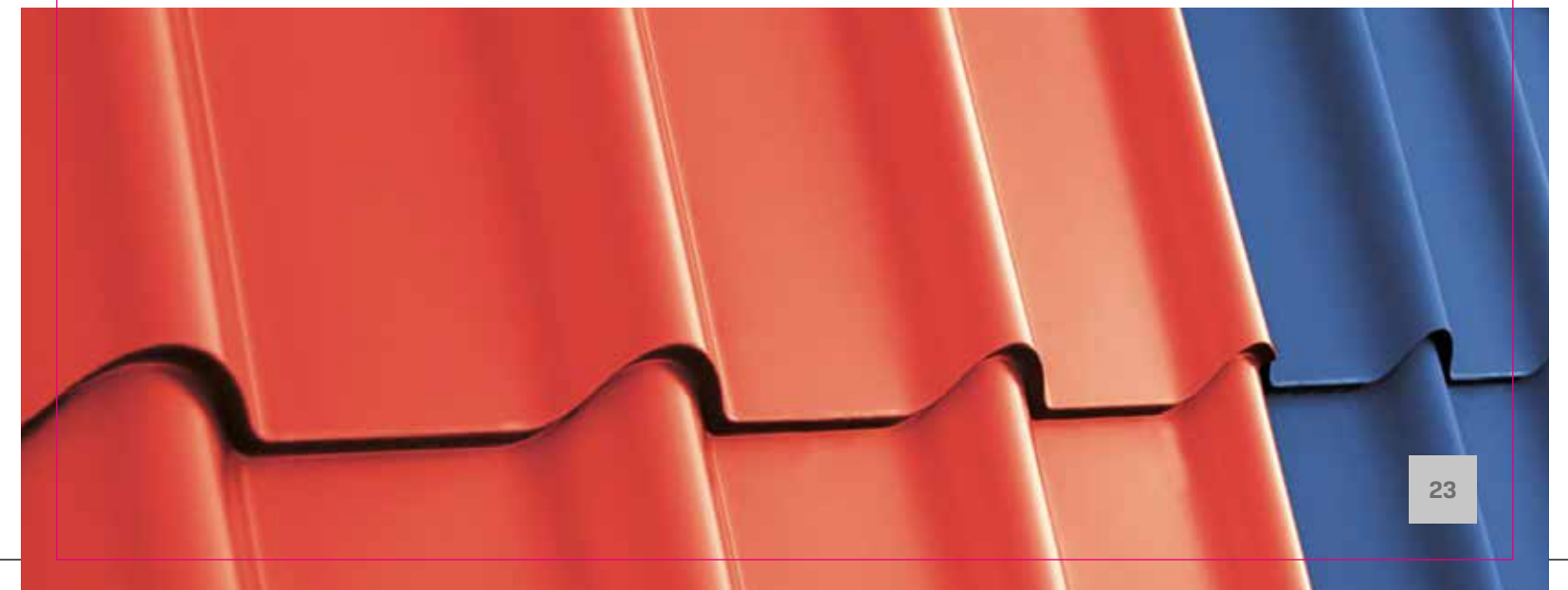
- Steel painted with silicon resin and dried
- Superior weather resistance
- Offers better protection than polyester steel sheets used in construction materials
- Substrate: GI/GL
- Application: 1. Sandwich panel 2. Roofing

### Super Durable Polyester - SDP

- Pre-finished steel suitable for use in construction material
- High workability, brightness, clearness and printing feature makes SDP perfect for construction and metal devices that require such qualities
- Substrate: GI/GL
- Applications: 1. Exterior metal devices 2. Roofing

### Polyvinylidene Fluoride - PVDF

- Steel sheets applied and hardened with a paint of fluorine resin which has a symmetric structure and contains fluorine, an inert gas
- Very high weather and chemical resistance due to an excellent molecular binding force of the fluorine resin
- Substrate: GI/GL
- Application: 1. Metal Exterior & Sandwich Panels 2. Structure in Industrial Complexes

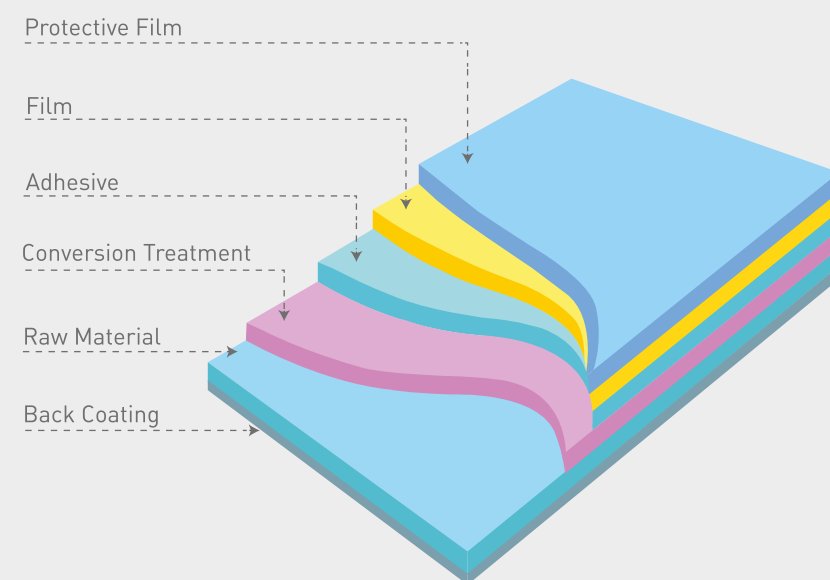




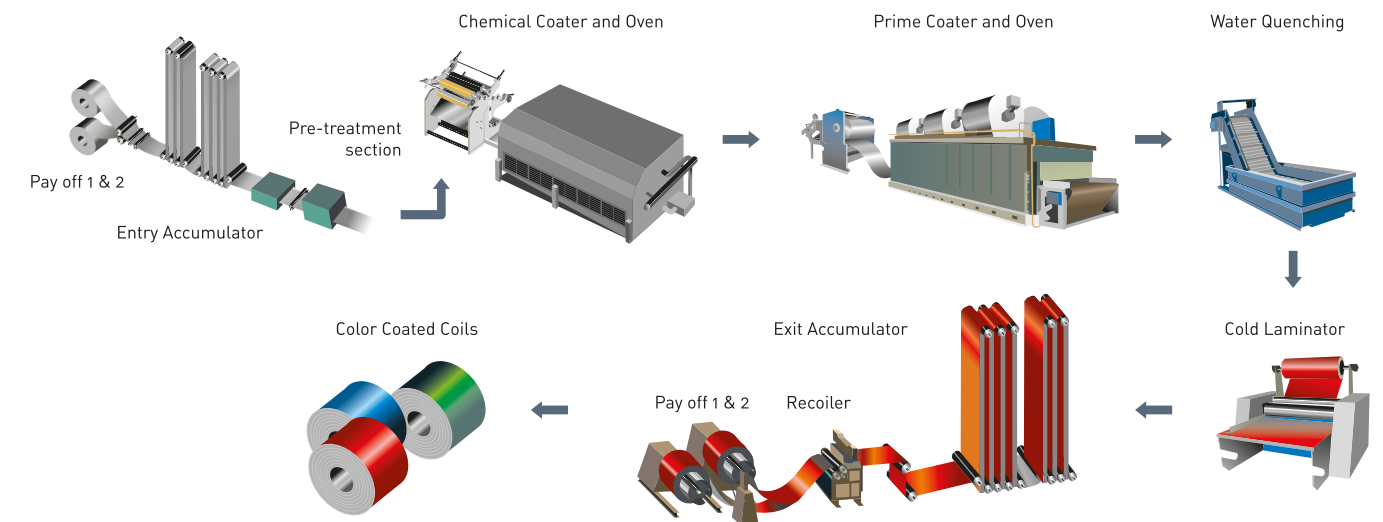
# Vinyl Coated Metal (VCM)

The metal is coated with a vinyl film that has unique patterns and colours produced by the Gravure offset method. Natural textures of wood, marble and zinc can be easily reproduced to add character to construction and home appliances.

Layer	Thickness	Type
Base Metal	0.25-0.8 mm	GI/GL Skin Passed
Passivation	40-50 mgsm/side 150μ	Chrome/Chrome Free PVC +PET (Pattern/Transparent High Gloss)
PVC Film	130μ 50μ	PVC/PET PET
Adhesive	5μ	ACRYL (Dried on High Temp.)



## Manufacturing process



## Colour and design swatch

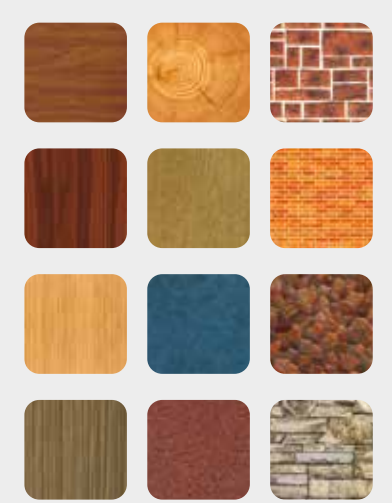
### Colour and design swatch



### Home Appliances



### Construction



\*Images used are just for reference



# Specifications

## Product Specification

Coil Form	PPGI	PPGL
Thickness (mm)	0.18-1.5	0.20-1.2
Coil ID (mm)	508/610	508/610
Width (mm)	600-1335	600-1335
Coil weight (t)	2-10 (4 mt max with guard film)	2-10 (4 mt max with guard film)
Profile	Coil / Corrugated / Trapeziodal / Ribbed / Manglore Tile Profile / Wave/ Arch Trapeziodal	
Substrate	Galvanised Steel	Al-Zinc alloy steel
Zinc Coating (gsm)	90-275	70-200
Hardness (HRB)	55-65 Soft CQ, Above 85 for Grade 80	55-65 Soft CQ, Above 85 for Grade 80
Guard film-optional (microns)	40µ (Customised also)	40µ (Customised also)
Standards	JIS G 3312, ASTM A 755, EN 10169, IS 14246, AS2728	ASTM A 755, EN 10169, IS 15965, AS 2728, JIS G 3322

## Paint Specification

Paint System		Primers: Epoxy, PU polyester/universal
		Top coat: Regular Modified Polyester (RMP)/SMP/PVDF/SDP
		Backer coat: Epoxy, polyester& PU
Characteristics	Primer top coat (micron) Subject to Substrate & Coating Type	7µ (max)
	Top coat (micron)	20-25µ (max)
	Primer + Backer coat (micron)	12-15µ (max)
	Colour	AS per RAL code/customer's requirement
	Gloss	Matt 35% (+/- 8%)/semi-gloss 60% (+/- 10%) high gloss ≥ 70%

## Paint properties comparison

Properties	SUPER/HIGH Durable Polyester	RMP	SMP	PVDF	PVC
Flexibility	Good	Fair	Poor	Good	Excellent
UV Resistance	Good	Poor	Fair	Excellent	Good
Gloss Retention	Excellent	Good	Good	Poor	Fair
Chalking Resistance	Good	Poor	Fair	Excellent	Fair
Costs	Marginal	Lowest	High	Very High	High
Durability Yrs	10	8	10	15	
SST Hrs	1000	750	750	1000	1000
Consumption per lit	Colour Specific				
Foam adhesion	Colour Specific				





General comparison of RMP vs SMP

SR. NO.	COLOUR	RMP		SMP	
		Chalk Rating..As per ASTM D4214-98	Fade NBS units ..As Hunter Col Diff	Chalk Rating..As per ASTM D4214-98	Fade NBS units ..As Hunter Col Diff
1	Sky Blue	6	<8	6	<6
2	Autumn Green	6	<8	6	<5
3	Desert Beige	6-8	<5	6-8	<5
4	Cottage Green	6	<8	6	<6
5	Arctic White	8	<5	8	<5
6	Tile Red	6-8	<5	6-8	<5
7	T-Blue	6	<8	6	<6
8	Silk Green	6-8	<5	6-8	<5
9	Flame Red	6	<8	6	<6
10	Silver	6	≤10	6	≤8

Remarks: Rating given based on the data collected from similar type of shade exposed at different parts of the world. However these ratings may vary depending upon climatic condition, nature and conditions of exposure.

Performance testing

Specification	
Scratch Hardness (T/B)	1.5 - 2 / 1 - 1.5 Kg
Impact Test (in Joules) (thickness based Soft material)	As per Standard
Salt Spray Test (Specific to Coating Type)	750-1000 hrs
Adhesion Test (cross-hatch)	100%
Erichsen Cupping Test	As per Standard
Humidity Test	750-1000 hrs
T- Bend Test (T = substrate thickness)	2T for Soft, 4T for Hard (no tape loss)
Water Boiling Test	As per Standard
Solvent Rub Test (MEK- double rub)	> 100DR For Non Metallic, 80DR Metallic.
Chemical Resistance	As per Standard
Max. Operating temp	Upto 140°C





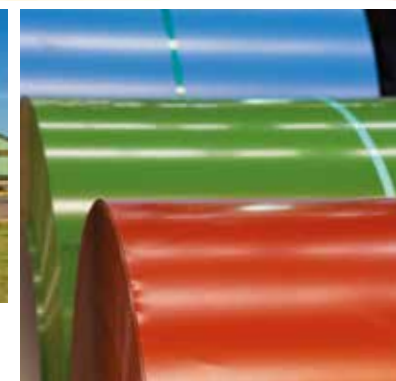
# Applications

## Applications (Coils & Sheets)

- White Goods Segment
- Ducting
- Home Appliance
- Furniture
- Electrical & Light Fittings
- Boxes
- Agricultural Equipments

## Applications (other profiles)

- Roofing
- Wall Cladding
- Facades





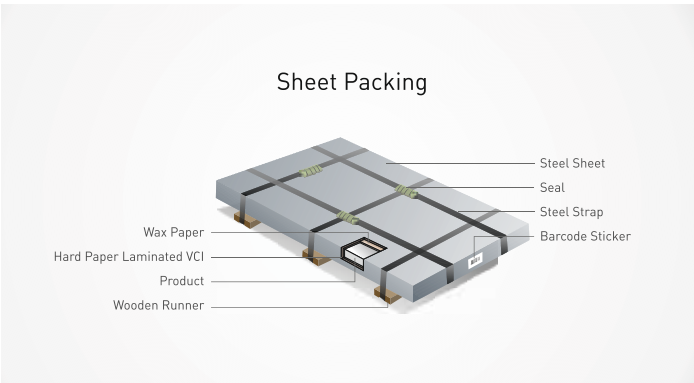
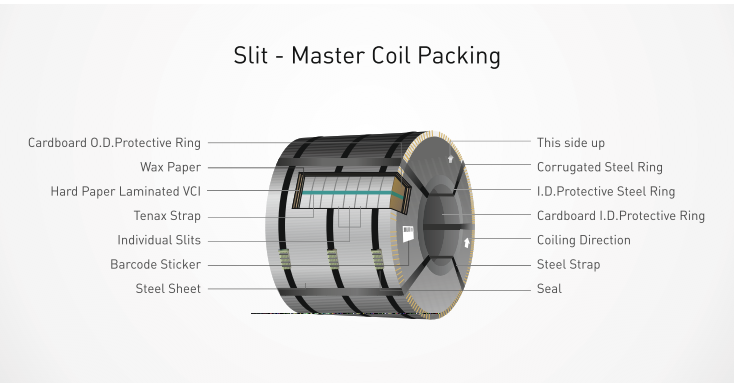
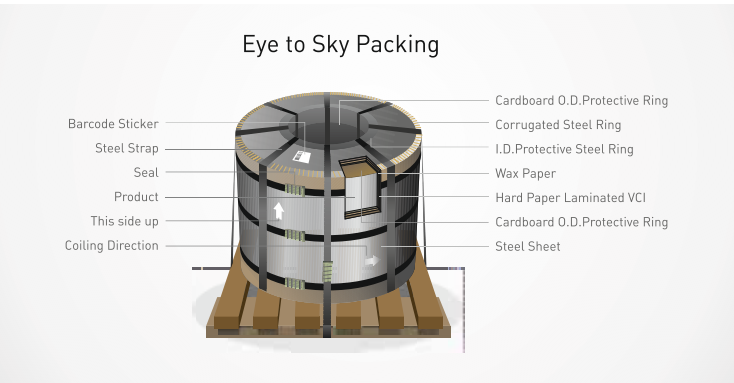
# Packaging

JSW offers its products with effective packaging as per customer requirements and in compliance with international norms. Emphasis is placed to ensure durability, prevention of any damage during transportation and better storage. JSW with its years of experience and regular benchmarking with various national and international companies, endeavours to improvise packaging in accordance with changing customer needs.

JSW has a stringent procedure for evaluating the competency level of suppliers for packaging material. Material quality is verified at the well-equipped and sophisticated JSW laboratory before offering for use.

The packing requirements for export and domestic markets are different. However, the type of packaging is determined in consideration of the following points:

- Customer needs
- Duration of transportation
- Environmental conditions during transit
- Handling during transit
- Handling at customer's premises
- Storage practices
- International regulation on package material

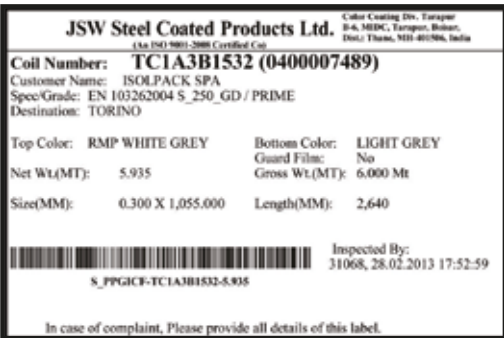


# Handling

- During transportation, it is recommended to put the rubber pad on the skid to avoid blocking issues; this will also help to protect it from white rust due to moisture
- Handle it with care and do not pile it up higher than two levels
- In the event of contamination, wash it with the solvent
- If the design layer peels off, follow the instruction manual provided by JSW steel

# Marking

Marking, in concept, leads to product accountability and verification at the time of production, transportation and delivery. Considering the vast product range at JSW, labelling practices ensure a foolproof identification and traceability.





# Research & Testing facilities

## Computerized Dry Film Thickness Measuring System

- Differential Paint Film Thickness Measurement

## Automatic MEK Rub Tester

- Paint Curing Test

## Cyclic Corrosion Tester- Q FOG

- Accelerated Corrosion Test

## UV Resistance Tester- QUV

- The QUV accelerated weathering tester reproduces the damage caused by sunlight, rain and dew. In a few days or weeks, the QUV UV tester can reproduce the damage that occurs over months or years in outdoors.

## Humidity Resistance Tester

- Humidity resistance is checked with condensing humidity and/or water spray

## Shade Matching Tester

- Used for Visual Colour Matching Test

## Gloss Tester

- Test to measure the gloss of the final sheet

## Taber Abrasion Tester

- Test Paint Film Abrasion Resistance

## Scratch Resistance Tester

- Test Paint Film Hardness

## T- Bend Tester

- Paint Film Flexibility Test

## Conical Mandrel Tester

- To test the formability of the sheet without any abnormality at the paint surface

## Pencil Hardness Tester

- Paint Film Hardness Test

## Lab Simulation Tests

- Chemical
- Acetic acid
- Alkali test 5% NaOH for 5 hours
- 5% HCl for 5 hours
- 5% H<sub>2</sub>SO<sub>4</sub> for 5 hours
- 5% absolute ethyl alcohol for 5 hours
- 5% HCl gasoline immersion for 5 hours
- Paint Kitchen Tests: The paint is applied with the help of a bar coder and baked. This sample is then subjected to all the preliminary tests to rule out any major defect







# JSW Steel Offices

## Corporate Head Office

JSW Centre  
Bandra Kurla Complex, Bandra (East), Mumbai - 400 051  
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## Sales Offices

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Mobile: 09427334449  
Tel: 079-49000270/271/272/273/274/275

**BENGALURU**  
The Estate,  
3rd Floor, West Wing, 121,  
Dickenson Road, Bengaluru - 560 042  
Tel: 080-42448888

**CHENNAI**  
5th Floor, KRM Plaza, No. 2,  
Harrington Road, Chetpet, Chennai - 600 031  
Tel: 044-28297420, 28297422

**COIMBATORE**  
T. V. Swamy Road (West), Coimbatore - 641 002  
Tel: 0422-2541870

**DELHI**  
NTH Complex (4th Floor),  
A-2, Shaheed Jeet Singh Marg,  
Qutub Institutiounal Area, New Delhi - 110016  
Tel: 011-48178600 | Fax: 011-48178699

**FARIDABAD**  
Piyush Global I Building  
1st Floor, Plot No.5, Opposite Escorts Mujesar Metro Station  
Main Mathura Road, NH-2, YMCA Chowk, NIT  
Faridabad - 121006, Haryana  
Tel: 0129-2239248, 2232387

**NOIDA**  
14A, Industrial Area, Buland Shar Road,  
Ghaziabad - 201 009  
Tel: 0120-3262875, 2867142

**GUWAHATI**  
106, 3rd Floor, Meer Market, Maszid Lane, Kamarpatty, Guwahati -  
781 001  
Tel: 0361-2730054

**HYDERABAD**  
JSW STEEL LTD.  
Babukhan Millenium Centre, 63-1099 /1100, 7th Floor, Block - A  
Somajiguda, Hyderabad - 500082  
Tel: 040-27846669/79

**INDORE**  
3rd Floor, Lakshya Badgara, 13/1,  
New Palasia, Near Curewell Hospital, Indore - 452 001  
Tel: 0731-2532156/57/58/59, 4043613

**JAIPUR**  
Evershine Tower, F-1, 705, 7th floor,  
Amarpali Circle, Vaishali Nagar, Jaipur - 302 021  
Tel: 0141-4026760/62/63/64

**KANPUR**  
Room No.105, Ratan Esquire, Chunniganj,  
Kanpur - 208 001  
Tel: 0512-3271907

**KOCHI**  
Mitsun Enterprise, 30/1854 B4, 1st Floor, Ponnurunni  
Road, Chalikkavattom Junction, Vytilla P.O.,  
Kochi - 682 019  
Tel: 0484-4026392/4063294

**KOLKATA**  
Godrej Waterside, 10th floor, Tower - 1, Unit No. 1003,  
Block - DP, Plot - 5, Sector V, Salt Lake City, Kolkata - 700 091,  
Tel: 033-40002020 | Fax: 033-40002021

**LUDHIANA**  
109, Modelgram, Near Kochar Market, Opp. Malwa  
School, Ludhiana - 141 002  
Tel: 0161-6578944, 6450816

**MUMBAI**  
Grande Palladium, 6th Floor, 175,  
CST Road, Kalina, Santacruz (East),  
Mumbai - 400 098  
Tel: 022-61871000

**NAGPUR**  
Poonam Plaza, Palm Road, Civil Lines, Nagpur-440 001  
Tel: 0712- 2520333

**PATNA**  
1, Tilak Nagar East, Behind Patna Diesel, Kankarbagh, Patna - 800 020  
Tel: 08002230517

**PUNE**  
Epicentre  
2nd Floor, CTS No. 4/6, Above Royal Enfield Showroom  
Shivajinagar, Wakdewadi, Pune - 411005  
Tel: 020-64104547, 2711427

**RUDRAPUR**  
Plot No. 264, By Pass Road, Village Kishanpur, Kichha, District Udam  
Singh Nagar, Uttrakand - 263 148  
Tel: 05944-263290

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