



Shree Sivababalaji Steels P. Ltd.

AUTHORISED DISTRIBUTOR FOR SOUTH TAMILNADU

Pre-Painted products

JSW Steel Pre-painted products offer a unique blend of advantages - the strength of steel, enhanced corrosion resistance and the aesthetic appeal of paint. The pre-painted corrugated sheets and profiles are branded as JSW Colouron (Colour Coated Galvanised Sheets) and JSW Colouron Plus (55% Aluminum-Zinc Alloy Colour Coated Steel Sheets)

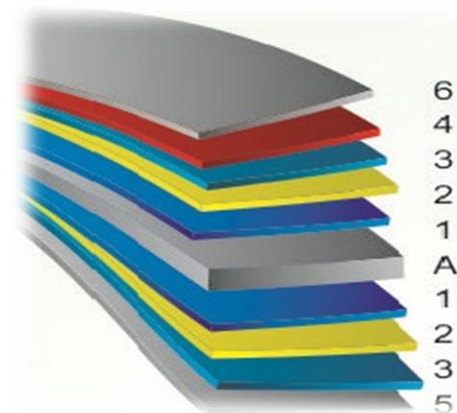
JSW Steel pre-painted products are available in a variety of paint systems like Regular Modified Polyester (RMP), Silicon Modified Polyester (SMP), Super Durable Polyester (SDP), Poly Vinylidene Fluoride (PVDF) etc. The base metal has the first layer of primer coating on both, top and bottom surface for superior adhesion with the paint system. The final paint coating 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.

JSW Colouron and JSW Colouron Plus have a long life and if eventually replaced, are recyclable. The paint used to coat the base metal is also toxin free.

Key Features

- Impeccable range of thickness, width, colours and profiles
- A precision finish that is uniform in colour, gloss, texture and film thickness.

Paint Coatings



Paint Coating Details

- | | |
|---|---------------------------------|
| A | Cold rolled steel ... substrate |
| 1 | A1 - Zine alloy coat |
| 2 | Pre - treatment (chromating) |
| 3 | Primer |
| 4 | Top coat |
| 5 | Backer coat |
| 6 | Guard film (optional) |

Product Specifications

Product Specification	PPGI	PPGL
Coil Thickness (mm)	0.28 - 1.00	0.28 - 1.00
Coil Width (mm)	900,1100,1220,1250	900,1100,1220,1250
Profile	Corrugated / Trapezoidal / Ribbed / Mangalore Tile Profile / Wave / Arch Trapezoidal	
Substrate	Galvanised steel	Al-Zinc alloy steel
Coating	90 - 275 gsm (zinc)	70 - 200gsm (Al-Zinc)
Hardness (HRB)	55 - 95	60 + 5 HRB / 90 + 5 HRB
Guard film-optional (microns)	30 - 40 (Customised also)	30 - 40 (Customised also)
Standards	JIS G 3312, ASTM A755, EN 10169-1, IS 14246 - 1995	ASTM A 755, EN 10169-1, IS 14246 -1995 (IS is only physical testing)

Paint specifications	
Paint System*	Primers, Epoxy, PU Polyester / universal Top coat: Regular Modified Polyester (RMP) / SMP / PVDE /SDP 7 (Max)
Characteristics	Primer top coat (micron) subject to substrate & coating type
	Top coat RMP (micron) (coating based)
	Primer + Backer coat (micron)
	Colour
	Gloss

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 Range	Excellent	Good	Good	Poor	Fair		
Colours	Good	Good	Good	Fair	Fair		
Chalking resistance	Good	Poor	Fair	Excellent	Fair		
High build potential	Good	Poor	Poor	Fair	Excellent		
Costs	Marginal	Lowest	High	Very High	High		
Durability Yrs		8	10	15	15		
SST Hrs			same as RMP	High	High		
UV			same as RMP	High	High		
Volume Solid			more than RMP			Low	Low
Consumption per lit			less consumption			more consumption	more consumption
Foam adhesion						Good foam adhesion	Good foam adhesion

Advantages manifold

JSW Colour coated steel offers products with a unique blend of advantages - the strength of steel, the enhanced corrosion resistance and an aesthetic appeal of wide variety of colours. It is available in Galvalume / Al-Zinc substrates. Backed by the trusted name and quality of JSW Steel, this product is sure to add colour to the world of steel users.

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 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 coating provides addition 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.

Excellent corrosion protection

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



Additional protection

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

Formability

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

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 customize requirements.

Aesthetic appeal

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

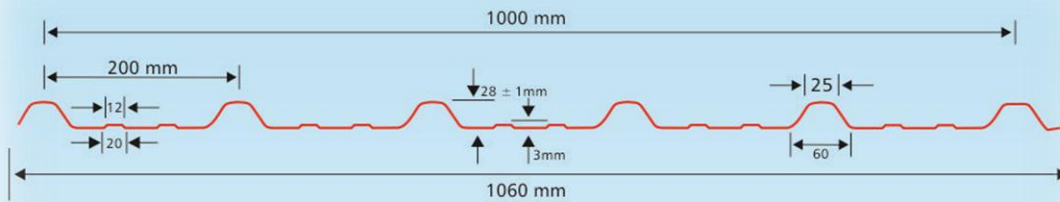
Thermal efficiency

Roof made from light coloured JSW colour coated steel can result in less heat radiation in to the home compared to other commonly used roofing materials.

Environment friendly

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

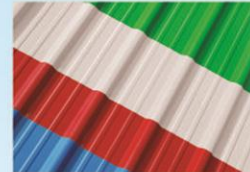




Mark of Ingenuity

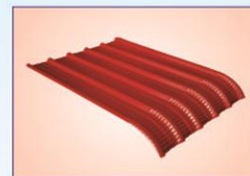
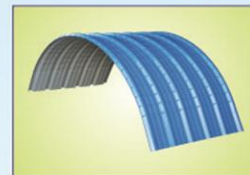
All JSW Colour Coated Galvalume / Al-Zinc Products can be identified by liner marking on lower sides of the sheets

"JSW COLOURON PLUS THK MM JSW STEEL LTD"



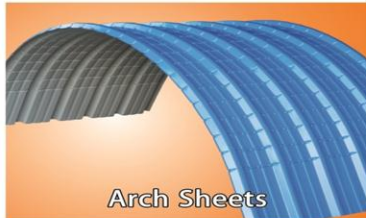
Sheet Specifications

Ribbed Trapezoidal	PPGL
Thickness (TCT)	0.35 - 1.00 mm
Coil Input width	1220 mm
Supply Width	1060 mm
Covered Width	1000 mm \pm 2 mm
Pitch	200 mm
Crest Height	27 ± 1 mm
Crest Width	25 mm
Lip	6 ± 2 mm
Length	Upto 45 ft.





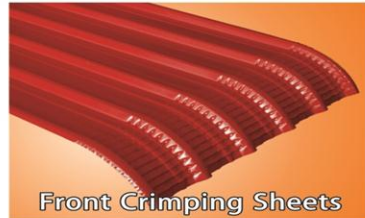
Shree Sivabaalaji Steels P. Ltd.



Arch Sheets



MS Pipes



Front Crimping Sheets



Shree Sivabaalaji Steels P. Ltd. Sivanandha Steels

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