



JINDAL (INDIA) LIMITED

ADDING COLORS TO STRENGTH



Background

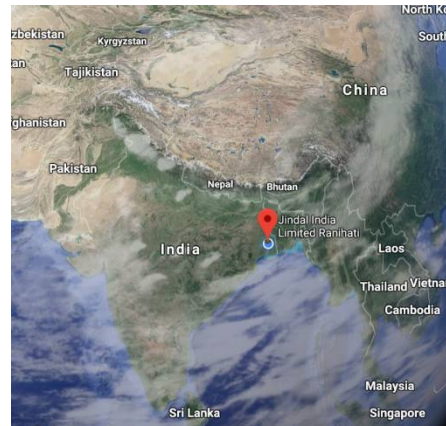
Jindal (India) Limited , When we claim to be part of growth story of Indian Steel Industry from beginning , we claim it with a solid foundation of over 65 years of presence in this line .

When we claim to be a renowned producer of Galvanized steel sheets , corrugated sheets and coils , it is after having the trust of customers all across the globe – right from Latin America to Far East .

When we claim to be a significant player in ERW Galvanized and Black pipe segments , it is with a product range from ½ " to 20" and with the confidence of serving most critical oil and gas Industry through supplies of pipes up to Grade API X 70 successfully over the last few years .

When we claim to be amongst the pioneers in Aluminium foil Industry in India , it is with the backing of being only manufacturer to produce foil in 6 micron thickness (soon going to be the only manufacturer in the country with line to produce 4 micron thickness foil) .

So , when we decided to go for production of Alu Zinc alloy and Color coated steel , we had our history to guide us , our reputation to protect , ensure a quality product and above we had to build on our customer's trust across the globe . We therefore , went for the best machinery , best technology and widest product range for these new products . Our new product offerings are sure to win over customer's confidence like we have achieved for our all other products so far .



Location

The site selected was on the NH-16 at a place called Ranihati , around 40 Km from Kolkata airport in Howrah . Location is closer to Haldia Port as compared to present production facilities of Jindal India at Jangalpur and yet not too far off from Calcutta Port . Being on National Highway , the site has excellent connectivity to all major Cities .



Ranihati complex has around 90 acres of land area which is considering future plans of company to go for a Cold rolling unit , another Color coating line and a Galvanizing line for thicker gauge structural and pipe requirements .

The journey which began in October 2016 with land filling , now is nearing its first destination with color coating line starting in July 2018 . Alu Zinc line is expected to start in Sept 2018 . Immediately upon completion of these two projects , work on cold rolling mill shall start .



Jindalume – Product which combines our commitment with Best of technology

Jindalume is a product being developed to enhance the corrosion resistance property of Steel Sheets for outdoor applications . The cold rolled steel with required mechanical properties as per customers need will be passed through degreasing section and heated up to 650 degrees in a continuous furnace before being dipped into molten bath have chemistry of 43% Zinc and 55% Aluminium . While Zinc will ensure adequate sacrificial property to retard corrosion through any contact with foreign element , Aluminium will resist atmospheric corrosion . The combination of Aluminium and Zinc (along with 1.5% Silicon) drastically improves the overall corrosion resistance of material , thus safeguarding steel for a very long time .

The product range of Jindalume will cover entire gamut of requirements . This will probably be one of the very few lines in the world which shall be processing Alu Zinc coated steel in width up to 1500 mm .

Jindalume Specification

Thickness range	0.18 mm to 1.2 mm
Width range	750 mm to 1500 mm
Coating thickness	AZ-50 to AZ -150
Skin pass	Yes /as per customer requirement
Tension Leveller	Yes /as per customer requirement
Anti Finger coating	Yes /as per customer requirement
Strength	250 MPa to 550 MPa as per requirement



JINDALUME

Jindal Sabrang – Product which adds color to steel

Steel has been associated with strength and durability to all construction and fabrication . Its never been associated with colourfulness . Jindal Sabrang – the latest offering from Jindal India is an attempt to add colours to the drab and monotonous world of Steel . Sabrang is a Sanskrit word which means a rainbow of colors . Jindal Sabrang will not only add color to the steel to make it more pleasant , it will also be increasing life of the structure by acting as an additional layer resisting corrosion over Zinc / Alu- Zinc coating on steel . In the process of color coating , Zinc / Alu Zinc coated steel sheet is first treated with a chemical to remove all impurities from the surface . It is later coated with chromate solution which enhances the surface quality and prepares it for next operation . After chromate coating , the sheet is coated with primer which acts as a bond between steel surface and final color and also helps in uniform covering of the steel surface . Primer coated sheet is passed through an oven which allows primer to get partially baked . On the primer coated surface , final color is applied in finish coater on both top and back side . The coated sheet is again passed through an oven where this is baked at more than 200 deg temperature. Color coated steel produced through this two coat two bake system has a much longer life span than any other coated steel .

The line set up by us will have ability to apply various types of coating like Regular Modified polyester (RMP) , Super Durable Polyester (SDP) , Silicon Modified Polyester (SMP) and PVDF as per the customers requirements . The coating in the line can be controlled to meet exact requirement of the customer .

Jindal Sabrang – Specifications

Thickness Range	0.16 mm – 1.2 mm
Width	750 mm – 1450 mm
Coating	RMP , SMP , SDP , PVDF
Base Substrate	Galvanized steel , Alu Zinc coated Steel , SS , Aluminium
Coating Thickness	
Primer	4-5 micron top , 3-4 micron back side
Top Coat	10 micron – 20 micron
Back Coat	4- 10 micron
Colors	Top Coat - All colors as per customers requirement Back Coat – Jindal Grey (RAL 7035)

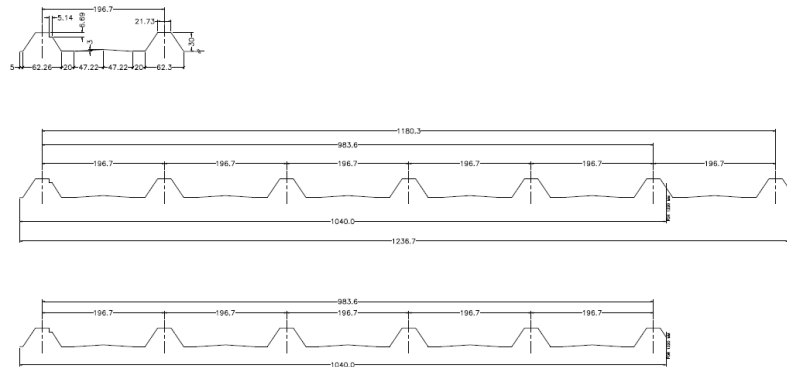


SABRANG

Jindal Profiles – Roofs that look good and last long

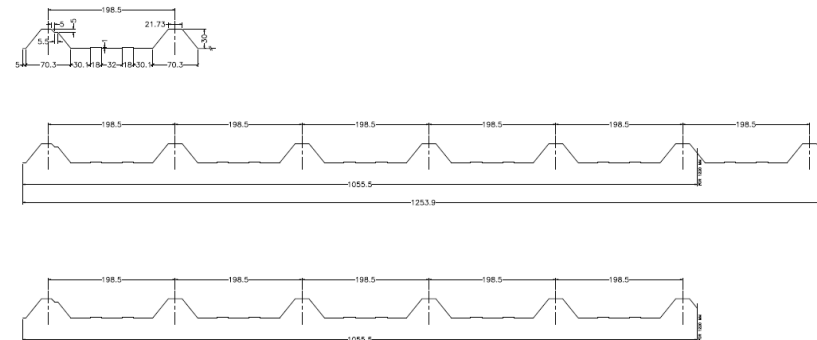
In order to meet the specific requirement of end customers and projects who want sheets in profile condition for roofing and cladding applications , Jindal is coming up with different profiles . The profile design maintains a balance between strength and coverage so that customer gets maximum coverage without compromising on strength .

1220/1020 mm double rib profile / 1442/1220 mm double rib profile



Products profile : TRIMTRAP, DRG. AS-2353

1220/ 1018 mm Trimtrap profile / 1442/1218 mm trimtrap profile



Products profile : DOUBLE RIB, DRG. AS-2352