

**SHAPING THE NEPAL'S FUTURE.
THREE DECADES OF UNWAVERING COMMITMENT
TO STRENGTH AND CONNECTION.**



BUILDING A STRONGER NEPAL



Jagdamba Steels Limited is the conception of that prominent business family which has been in steel production and distribution for a long time. Endowed with Pollution Control Devices and awarded with the recognition of ISO 9001: 2015 (Quality Management System, India) and ISO 14001: 2015 (Environment Management System, India), the company has been manufacturing environment-friendly and quality products.

This Veteran company has made history by manufacturing structural steel for the first time in Nepal. The initiation of this innovation has decreased the imports of structural steel from abroad. It has given a whole new dimension and speed to the infrastructural development of the nation. In a short time since its establishment, this company has already earned name and fame through quality production and expresses its commitment towards continuous quality productions in the future too.

The company began in Simara in Bara District, Nepal in the year 1994 with a setup of cross-country mill producing CRT Bars with a capacity of 50 M/T per day. Till date over the period of 25 years, the company has grown over to become the only integrated and the largest steel company in Nepal with a daily production capacity of 3000 MT Rolling Mill TMT.

The company offers a wide range of steel products that includes Steel TMT Rebars, MS Structural, MS Angle, MS Channel, H-Beam, Flat, GI Wire, Barbed Wire, Gabion Box, HR and CR Sheets, Torkari, Wire Rods, Plain Round & Square Rods, Cut & Bend Products etc. The products are manufactured at state-of-the-art modern plants with a prime focus on maintaining the highest standards in quality and make.

The products, Steel Rebars in grades Fe 500 and Fe 500 D are certified by Nepal Bureau of Standards and Metrology by NS :191 Certification and Bureau of Indian Standards (BIS) by ISI Certification IS:1786:2008. GI Wires are certified by NS :161, NS :163/ 2058 Certifications.

Our commitment to offering qualitative wider range of new products has strongly connected us to the lives of people and the nation. It inspires us to achieve excellence in every step we take and contribute to the growth of the steel industry and the nation.

With the same commitment and belief to offer quality and new advanced product to our customer we are pleased to introduce premium Aluminum –Zinc color coated sheets and coils - Jagdamba Supershine and normal Aluminum – Zinc coated sheets and coils, Jagdamba Galva+. It is Nepal's first fully automated new advanced Galvalume line technology product.

Our latest products Jagdamba Supershine and Jagdamba Galva+ production line is standardized with:

- IS 513, Part 1st- cold reduced carbon steel sheet and strip & sheet IS 15961, Hot dip aluminum-zinc alloy metallic coated steel strip & sheet (Plain)
- IS 15965, Prepainted aluminum-zinc alloy metallic coated steel strip & sheet (Plain)
- IS 1161, Steel tubes for structural purpose.



JAGDAMBA[®] SUPER SHINE

PREMIUM Al-Zn SHEET & COILS

Jagdamba Super Shine is a premium Aluminium-zinc color coated Sheet that is elegant and beautiful with same features as of Galva+ coated with superior paint technology that provides additional protection for longer life.



- 
New Advanced Galvalume Line Technology
- 
Durable and Corrosion Resistance
- 
All Weather Protection
- 
Strength
- 
Superior Paint Technology
- 
Stringent Quality Test
- 
Guard Film Coating



Long Lasting



**Smart and attractive
appearance**



**Aesthetically
Pleasing**



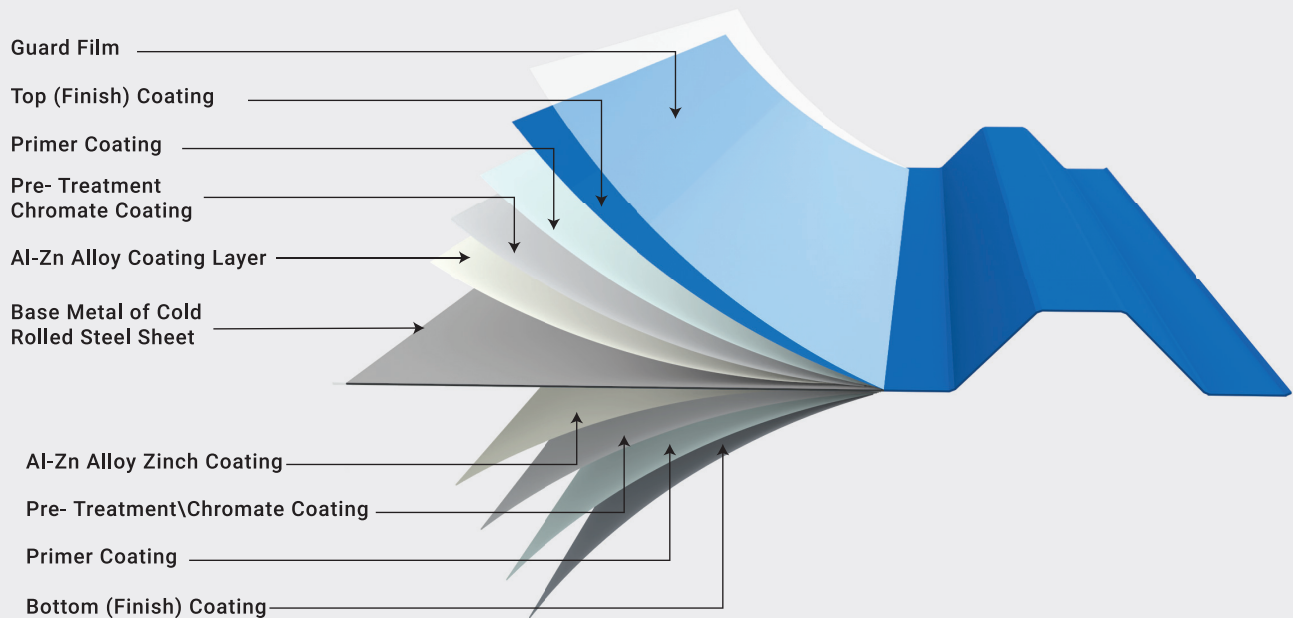
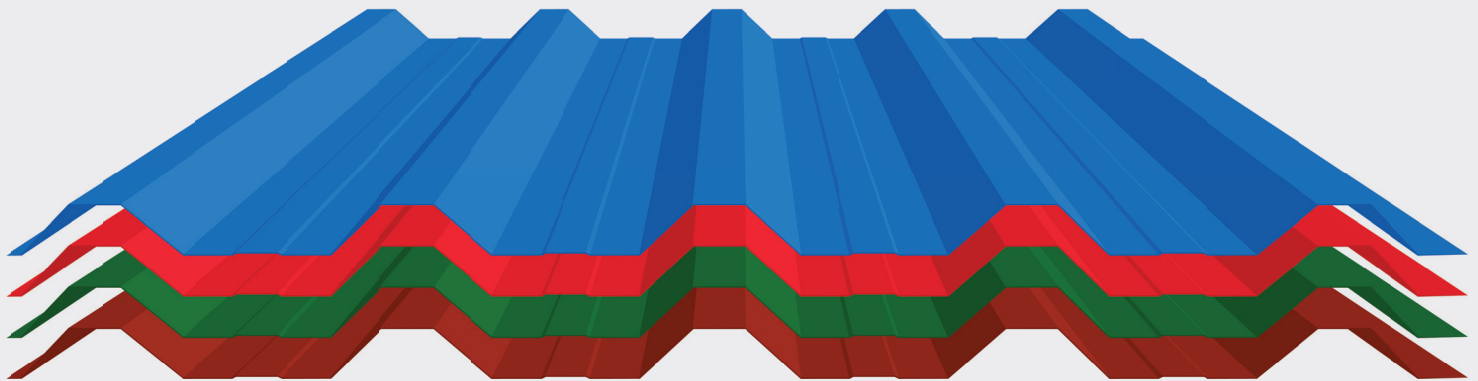
**Strong &
Light Weight**



**Better Corrosion
Resistance**

Material Structure

Our Color Coated Jagdamba Super Shine Corrugated Sheets are manufactured using Prepainted Aluminum-zinc color coated sheets as the raw material, combined with a high quality, suitable and economical paint. With imported production lines, we are able to produce adequate amount of steel corrugated sheets as aesthetics, good quality and economical light weight, high strength product to satisfy large scale market demands as well as to model your dream structure. Our Trapezoidal Profile is excellent for Roofing and Cladding.



1. Technical Specification Cold Roll Coils & Sheets (CR Sheets & Coils)

Detailed Technical Parameters of CR & CRCA Coils & Sheets

Chemical Composition

S.No.	Quality		Constituent, Percent, Max			
	Designation	Name	Carbon	Manganese	Sulphur	Phosphorus
i)	CR0	Hard	0.25	1.7	0.045	0.050
ii)	CR1	Commercial	0.15	0.60	0.040	0.050
iii)	CR2	Drawing	0.12	0.50	0.035	0.040
iv)	CR3	Deep Drawing	0.10	0.45	0.030	0.025
v)	CR4	Extra Deep Drawing	0.08	0.40	0.030	0.020

Mechanical Properties

S. No.	Quality		Yield Stress Re MPa	Tensile Strength Rm MPa	Elongation Percent, A, Min		Hardness Max		Bar, r Min	Bar, n Min
	Designation	Grade			Lo=80 mm	Lo=50 mm	HRB	HR (30T)		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
i)	CR0	H	—	—	—	—	85 Min	—	—	—
		O	—	—	—	—	----	—	—	—
ii)	CR1	340	260 Min	340 Min	26	29	—	—	—	—
		390	300 Min	390 Min	23	26	—	—	—	—
		440	350 Min	440 Min	20	23	—	—	—	—
iii)	CR2	D	240 Max	370 Max	30	31	65	60	—	—
iv)	CR3	DD	220 Max	350 Max	34	35	57	55	—	—
v)	CR4	EDD	210 Max	350 Max	37	36	54	50	—	—



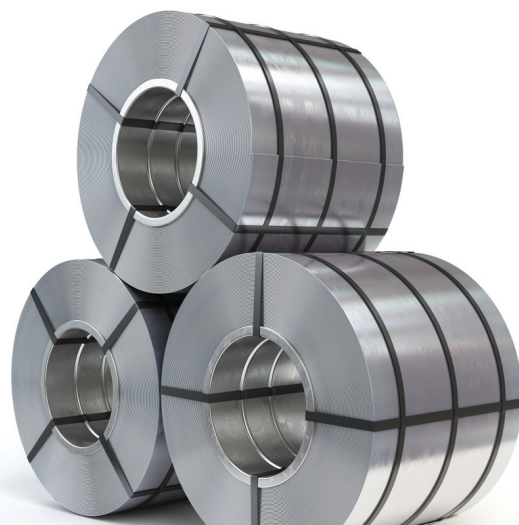
Width
750 To 1250mm



Thickness
0.12 → 1.20 mm



Bend Test
Full Hard & Soft: 0 T pass



2. Technical Specifications of Galvalume (Galva+)

SN	Parameters	Obtained results of GALVA sheet
1.	Al-Zn-Si Coating (GSM)	AZ-70, AZ -100, AZ -150
2.	Acrylic Coating (GSM)	2.5 to 3.0
3.	Salt Spray Test	700 (min) hours – Pass
4.	Bend Test	0T Pass
5.	Impact Test	10 J Pass
6.	Thickness (mm)	0.15 to 0.72 mm
7.	Widths (mm)	750 to 1250 mm
8.	Brand	Galva +

3. Technical Specifications of Color Coating Line (Super Shine)

SN	Parameters	Obtained results of GALVA sheet
1.	Scratch Hardness (T/B) Kg	1.8-2.3 & 1.0 to 1.5
2.	Salt Spray Test (T/B)	1000 - 500 hours –Pass
3.	Adhesion Test (Boiling water Cross Hatch)	100 % Pass
4.	Bend Test	2 T Pass (Top) 3 T Pass Bottom
5.	MEK solvent Double Rub	100/50 pass
6.	Impact Test	10 J Pass
7.	Color Coating (T/B)	30+ Micron (Top/Bottom)
8.	Gloss (T/B)	80 - 85
9.	Shade Variation Delta E (T/B)	0.3- 1.8 & 1.0 - 1.1
10.	Paint Used (T/B)	RMP / Epoxy

PPGL Sheet Specification



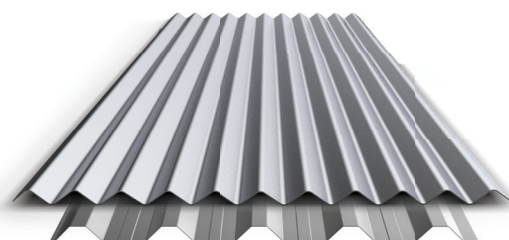
Width
750 → 1250 mm



Thickness
0.17 → 1.20 mm



Guard Film
Jagdamba Supershine Printed



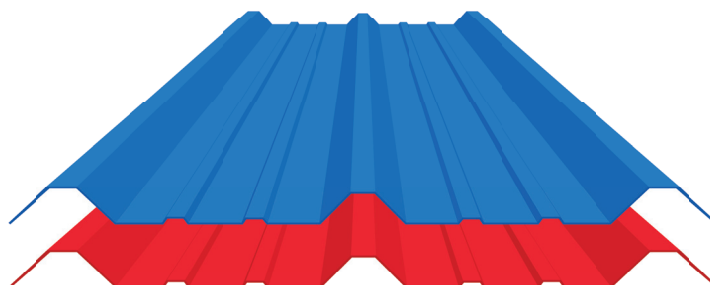
4. Technical Specification of Finishing Area

Details of Supershine Color H Span Profile

SN	Specifications	Lengths
1	Total PPGL Sheet Base Width	1220 mm
2	Total PPGL (H- Span) Trapezoidal Width	1060±10mm (Finished Width)
3	Total PPGL (H- Span) Coverable widths	1000±10mm (Effective Coverable Width)
3	Big Pitch Width	198mm
4	Collar (One Side)	20mm
5	Color	Blue, RED, Green, Off White
6	Thickness	0.41mm, 0.45mm & 0.55mm
7	Length (Ft)	Min 6 Ft to Max 24 Ft

Jagdamba Heritage Profile PPGL Sheet 1000mm

SN	Specifications	Lengths
1	Total PPGL Sheet Base Width	1000 mm
2	Total PPGL Heritage Finished Width	860±10mm
3	Total PPGL Effective Coverable Heritage Width	740±10mm
4	Pitch	89mm
5	Collar both side	25mm
5	Color	Blue, RED, Green
6	Thickness	0.45mm & 0.50mm
7	Length (Ft)	Min 6 Ft to Max 24 Ft



Jagdamba Normal Corrugated Profile PPGL Sheet 900mm

SN	Specifications	Lengths
1	Total PPGL Sheet widths	900mm
2	Total Profile Widths	800±5mm
3	Coverable widths	760±5mm
3	Pitch Width T/S	75 ±2mm X 10
4	Pitch depths	18 mm (±1.5mm)
5	Color	Blue, Maroon RED, Seco RED, Green
6	Thickness	0.20mm to 0.55mm
7	Length (Ft)	Min 6 Ft to 12 Ft Standard

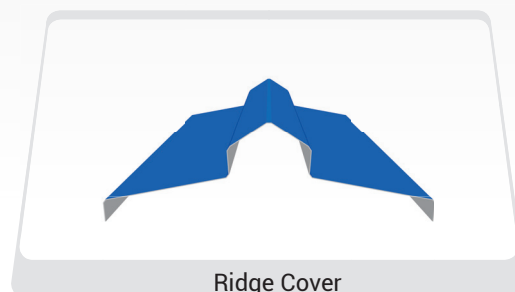
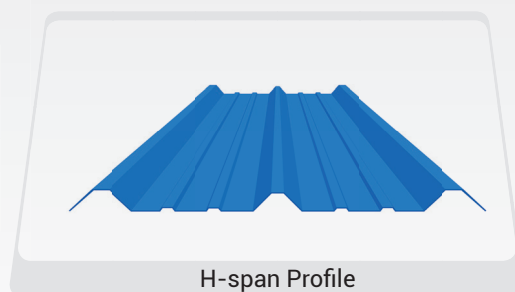
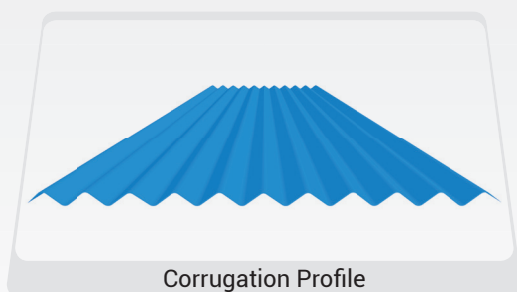
Jagdamba Galvalume Corrugated Barrel PPGL Sheet 900mm

SN	Specifications	Lengths
1	Total Barrel Sheet widths	900mm
2	Total Profile Widths	800±5mm
3	Coverable widths	760±5mm
3	Pitch Width T/S	75 ±2mm X 10
4	Pitch depths	18 mm (±1.5mm)
6	Thickness	0.20mm to 0.55mm
7	Length (Ft)	Min 6 Ft to 12 Ft Standard



Total Running Ft & Square Ft Per Bundle of Roofing Sheet (Galva+)

Length of Sheet (Ft)	No.of Pcs (Per Bundle)	Total Running (Ft/Bundle)	Total Square (Ft/Bundle)
6 Ft	12	72	188.98
7 Ft	10	70	183.73
8 Ft	9	72	188.98
9 Ft	8	72	188.98
10 Ft	7	70	183.73
12 Ft	6	72	188.98



Color Availability:



5. Technical Specification of Tube Mill

Physical Properties (Light / Medium / Heavy)

S.No.	Parameters	Obtained results of TUBE Mill
1.	Size (mm)	15 to 100 NB
2.	OD (mm)	21.3 to 114.3
3.	Thickness (mm)	1.6 to 5.3
4.	Thickness (mm) Tolerance	± 10 %
5.	Out Side diameter 48.3 mm	-0.8 mm
6.	Out Side diameter 48.3 mm over	± 1.0 %
7.	Brand	Jagdamba Pipe
8.	Shape	Round, Squire, Rectangular

Chemical Properties (Light / Medium / Heavy)

Grade	Carbon	Manganese	Sulphur	Phosphorus
1	0.10	0.50	0.040	0.040
2	0.12	0.60	0.040	0.040
3	0.16	1.20	0.040	0.040
4	0.20	1.30	0.040	0.040
5	0.25	1.30	0.040	0.040

Chemical Composition (Light / Medium / Heavy)

S.No.	Quality (Grade)	Yield Stress (Re MPa)	Tensile Strength (Rm MPa)	Elongation (mm)
i)	YS 210 T	210	310	20
ii)	YS 240 T	240	410	17

Installation Procedure

- ① A structure like tubes, truss, angle and channels should be painted before fixing the sheet.
- ② After installation immediately remove the guard films.
- ③ The fitting materials like rubber seal & nails should be used the standard quality or as per suitable for color sheet.
- ④ Always sheet should be installed in 45 or 60-degree angle slope.
- ⑤ The sheet should be prevent from moisture, acid or alkali fumes & cement.
- ⑥ If any debris like dust is present on the sheet please wash interval.
- ⑦ Not storage on sheet-like harp or scrap materials.

If maintain to the above instructions, then PPGL sheet life will enhance to 8 to 10 years without any paint peel off defect.

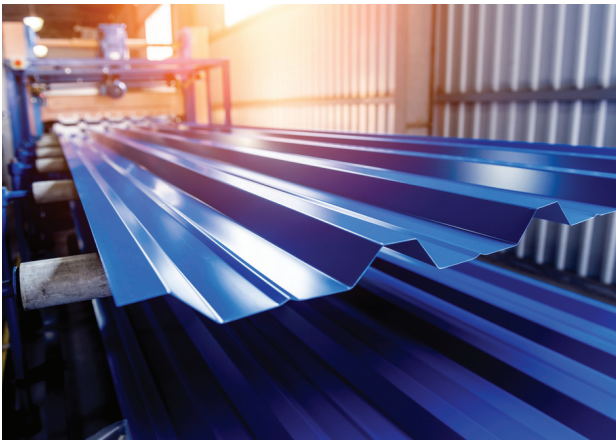
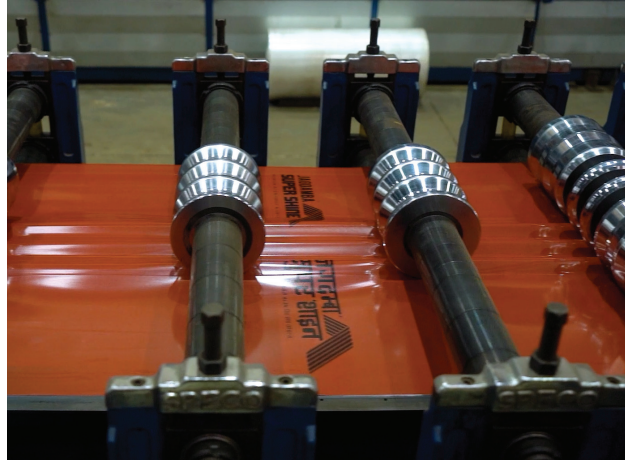


Storage Condition of PPGL Sheet

If materials not immediate used than protect with dust, rain water and up to stand one feet above the ground.

- ① Storage in sloping condition with proper drainage of water.
- ② Inspect the storage material in regular intervals, if any dust, moisture etc. laying on the sheet immediately clean the sheet.
- ③ If stacked or bundle product becomes wet, separate it without delay. Wipe it with a clean cloth and stack it to dry thoroughly.
- ④ The sheet should be kept gently to ensure that it is not damaged.
- ⑤ Used protective tool during Truck unloading to prevent scratches.
- ⑥ Used protective equipment like hand gloves & shoes while lifting.
- ⑦ Don't keep the sheet in direct contact with soil
- ⑧ Don't slide sheets on a rough surface





Corporate Office

📍 1st Floor, Lalita House, Gairidhara
✉ GPO Box 2513 Kathmandu, Nepal
☎ +977-01-4545823, 4545825,
📠 +977-01-4545710

Factory:

📍 Jitpur Simra, Sub-Metropolitan-2, Bara, Nepal
☎ +977-53-520090, 520200
📠 +977-53-520700