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SAIL JYOTI GP/GC SHEETS

**Longlasting Roofing,
and
Storing Solutions**

There's a little bit of SAIL in everybody's life



SAIL JYOTI GALVANISED PLAIN SHEETS/COILS & CORRUGATED SHEETS

Galvanisation is the process of applying a protective zinc coating to steel, to prevent rusting. Galvanised steel, which has a bright surface finish, is a durable, long-lasting and economic solution for a number of storage, roofing, cooling and other applications of everyday and industrial usage.

SAIL, India's largest and trusted steel maker, produces steel products in this category in the form of galvanised plain (GP) sheets/coils and galvanised corrugated (GC) sheets. These value-added high-performance steel products are tough, sturdy, lightweight, bright and corrosion-resistant. Branded as **SAIL JYOTI**, SAIL GP/GC sheets add value to life in the true sense of the term.

SAIL galvanised products are manufactured at Bokaro Steel Plant and Rourkela Steel Plant with continuously cast Cold Rolled coils as input material which is then zinc-coated. SAIL JYOTI galvanised products conform to IS 513/2016 (O&D grades) and meet the requirements of IS 277/2003. They can also be produced to meet customised needs.

From being used as roofing material for household and industrial sheds to bins for storage of grains, water and other goods, SAIL GP/GC sheets and coils are also popular input material for manufacture of AC ducts, coolers, ice-boxes and even bus/truck bodies.

Environment-friendly and economically viable, SAIL JYOTI GP/GC sheets/coils are available at all company Warehouses and Dealer outlets across the length and breadth of the country.

Galvanised steel sheets/coils are produced as per IS: 277/2003.

Bokaro Steel Plant

Rationalised sizes of Galvanised Plain Coils

| Thickness (mm) | Width (mm) |
|-------------------------------------|-----------------------------|
| 0.35, 0.4, 0.45 | 900, 1000 |
| 0.5, 0.55, 0.6 | 900, 1000, 1100 |
| 0.63, 0.7, 0.8, 1.0, 1.25, 1.4, 1.6 | 900, 1000, 1100, 1200, 1220 |

Rationalised sizes of Galvanised Plain Sheets

| Thickness (mm) | Width (mm) | Length (mm) |
|-------------------------------------|-----------------------------|-------------|
| 0.35, 0.4, 0.45 | 900, 1000 | 2500, 3000 |
| 0.5, 0.55, 0.6 | 900, 1000, 1100 | 2500, 3000 |
| 0.63, 0.7, 0.8, 1.0, 1.25, 1.4, 1.6 | 900, 1000, 1100, 1200, 1220 | 2500, 3000 |

Width 1250 mm can be supplied on mutual agreement

Rationalised sizes of Galvanised Corrugated Sheets

| Thickness (mm) | Width (mm) | Length (mm) |
|--|------------|-----------------|
| 0.35, 0.4, 0.45, 0.5, 0.55, 0.6, 0.63, 0.7, 0.8, 1.0, 1.25, 1.4, 1.6 | 800 | 2500, 3000, 360 |

GP Coil and Sheets in 0.35 mm can be supplied by mutual agreement

Rourkela Steel Plant

Rationalised sizes of Galvanised Plain Sheets

| Thickness (mm) | Width (mm) | Length (mm) |
|---------------------------|------------|-------------|
| 1.25, 1.0, 0.8, 0.63, 0.5 | 900, 1000 | 2500 |
| 0.4, 0.35 | 900 | 2500 |



Rationalised sizes of Galvanised Corrugated Sheets

| Thickness (mm) | Width (mm) | Length (mm) |
|--|------------|------------------|
| 1.25 (18), 1.00 (20), 0.8 (22), 0.63 (24), 0.50 (26) | 810, 910 | 2500, 3000, 3600 |

Packet Weight of GP/GC Sheets

| Plant | GP Sheets | GC Sheets |
|----------------------------|---------------|---------------|
| Bokaro Steel Plant (BSL) | 5 - 11 tonnes | 5 - 11 tonnes |
| Rourkela Steel Plant (RSP) | 3 - 10 tonnes | 3 - 9 tonnes |

Various zinc coatings available from BSL and RSP, as per specification IS: 277/2003 (with revision I of 2008) are as follows :

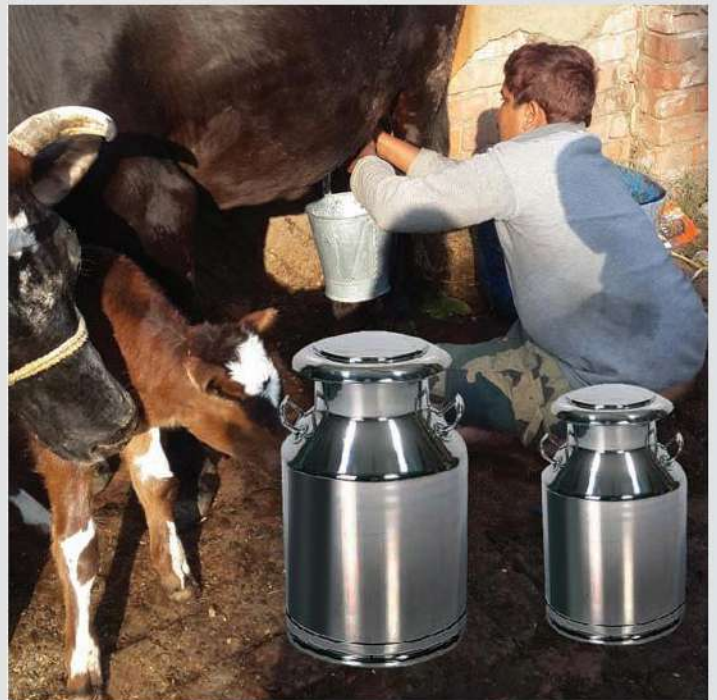
| Class of coating | Zinc wt g/m ² | Plant |
|------------------|--------------------------|----------|
| CL II | 450 | RSP |
| CL III | 350 | RSP |
| CL IV | 275 | RSP/ BSL |
| CL V | 220 | RSP/ BSL |
| CL VI | 200 | RSP/ BSL |
| CL VII | 180 | RSP/ BSL |
| CL VIII | 120 | RSP/ BSL |
| CL IX | 100 | RSP/ BSL |
| CL X | 80 | RSP/ BSL |

Mechanical Properties

GP sheets and coils available from BSL, conforming to mechanical properties requirements as per IS 277:2003 are as follows :

| Sl. No. | Quality | | Yield* Stress Re MPa | Tensile* Strength Rm, MPa |
|---------|---------|------------------------|----------------------|---------------------------|
| i) | GP | Ordinary | - | - |
| ii) | GPH | Ordinary-Hard | 400, Min. | - |
| iii) | GC | Corrugated ordinary | - | - |
| iv) | GPL | Drawing (Lock Forming) | 350, Max. | 450, Max. |

* Yield stress, Tensile Strength to be provided with mutual agreement



Applications

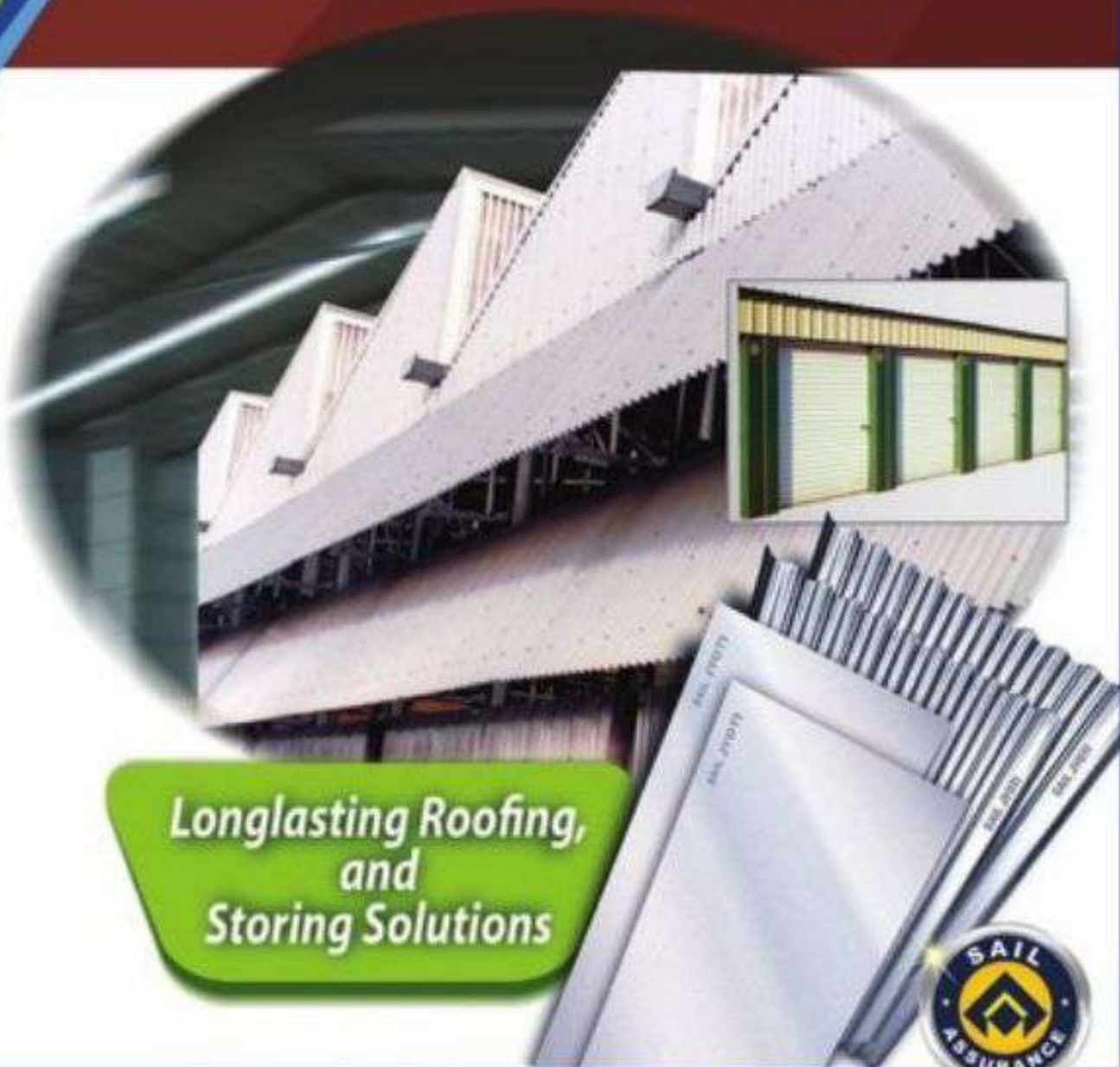
| Material | Application |
|----------|--|
| GP | AC ducts, Panelling, door frames, shutters, coolers, storage bins, auto sector, ice box, drums, buckets, tubs, tanks, trunks, tubes etc. |
| GC | Roofing, Industrial sheds etc. |



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U.K & SONS

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