



VIVEK EARTHING PVT. LTD.

Expert Advice & Reliable Solutions.

GI Strip Datasheet

Material Description:

- Material: Galvanized Iron (G.I.)
- Coating: Hot-dip galvanized for superior corrosion resistance.
- Standards: Conforms to IS/ASTM standards.

Specifications:

Size (mm)	Width (mm)	Thickness (mm)	Coating (Micron)	Weight Kg.Gms
20 x 3	20	3	+86	0.450
25 x 3	25	3	+86	0.700
25 x 6	25	6	+86	1.200
32 x 6	32	6	+86	1.500
40 x 6	40	6	+86	2.000
50 x 6	50	6	+86	2.440
50 x 10	50	10	+86	4.000
50 x 12	50	12	+86	4.710
65 x 10	65	10	+86	5.100
65 x 12	65	12	+86	6.120
75 x 6	75	6	+86	3.530
75 x 10	75	10	+86	6.000
75 x 12	75	12	+86	7.070
100 x 6	100	6	+86	5.000
100 x 10	100	10	+86	7.850
100 x 12	100	12	+86	9.420

Key Properties:

- Density: $\sim 7.85 \text{ g/cm}^3$
- Yield Strength: 240–370 MPa

- Tensile Strength: 370–520 MPa
- Coating Thickness: 70–100 microns
- Corrosion Resistance: High due to galvanization.

Applications of Earthing Systems:


- **Earthing/Grounding Systems:** GI strips are often used in grounding systems for electrical installations. Their corrosion resistance makes them suitable for use in areas with high humidity or corrosive environments. They provide an effective pathway for fault currents to the ground, ensuring safety.
- **Construction:** In the construction industry, galvanized iron strips are used for reinforcement purposes, providing additional strength to concrete structures. They are also used for securing or supporting other materials.
- **Electrical Panels:** GI strips are used in electrical panels for bonding and grounding purposes, ensuring that all parts of the electrical system are properly grounded.
- **Roofing and Cladding:** Galvanized iron strips are sometimes used in roofing and cladding applications due to their durability and resistance to corrosion.

Advantages:

- **Corrosion Resistance:** Excellent due to galvanization.
- **Durability:** Suitable for long-term use.
- **Cost-Effective:** Affordable alternative to stainless steel.

Quality Assurance:

- Coating thickness and adhesion tested.
- Mechanical properties tested as per standards.
- Supplied with material test certificates (MTC).



Vivek Earthing Pvt. Ltd. An ISO 9001 - 2015 Certified Company

This datasheet provides detailed information about **G.I Strip** in various sizes, ensuring all relevant technical and application-specific details are covered for users and installers.