



GALVANIZED

COILS AND FLAT SHEETS

Available Gauges: 20 GA, 22 GA, 24 GA

Standards: ASTM A653 / ASTM A924

Coating Weight: G-90 (0.90 oz/ft² total, both sides)

Surface Treatment: Chem-Treat Dry

Hot-dipped galvanized commercial steel is a carbon steel sheet coated with zinc on both sides through a continuous hot-dip process. This method forms a durable iron-zinc alloy bond, providing excellent corrosion resistance and long-lasting performance.

Galvanized steel is among the most economical options for corrosion-resistant sheet metal and is well-suited for a wide range of architectural, industrial, and fabrication applications. It can be roll-formed, brake-formed, lock-seamed, riveted, spot welded, or soldered.

Available in multiple metallurgical grades, it offers a balance of formability and strength, making it ideal for general-purpose use where moderate forming and structural integrity are required.

Mechanical Properties (Typical):

- **Yield Strength:** 48 ksi
- **Tensile Strength:** 59 ksi
- **Elongation:** 28%
- **Hardness:** 62 Rockwell B

Key Features:

- Superior galvanic protection.
- Fabrication-friendly (roll-formed, brake-formed, lock-seamed).
- Compatible with welding, spot welding, riveting, and soldering.
- Resists "white rust" during storage and transport thanks to Chem-Treat Dry coating.
- Ideal for architectural, industrial, and general-purpose applications.

ASTM Specifications

- **ASTM A924:** Governs general requirements for carbon steel sheet metal coated by the hot-dip process, including tolerances on thickness, width, camber, and shape.
- **ASTM A653:** Covers requirements for the galvanized coating, including chemistry, mechanical properties, and coating weights for various grades.

Coating Thickness:

Coating weight is measured in ounces per square foot. Designation G-90 indicates a minimum of 0.90 oz/ft² of zinc coating applied equally on both sides of the sheet for enhanced protection against corrosion.



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