

SHEET AND COIL SELECTION GUIDE



HOT ROLLED

LOW CARBON — A low cost steel sheet, soft enough to bend flat on itself in any direction, without cracking, ductile enough for shallow drawing. Carbon is .10 max. (instead of .15 max.) for improved welding and forming. Surface has normal mill oxide. Conforms to ASTM A569. Used for tanks, barrels, farm implements and other applications where finish is secondary.

PICKLED AND OILED — Acid pickling provides smoother, more uniform surface. Paint and enamel adhere well. Properties and characteristics same as low carbon sheets. Conforms to ASTM A569. Typical applications: auto parts, appliances, toys, etc.

ABRASION RESISTING — Medium carbon content plus higher manganese greatly improve resistance to abrasion. 210 min. Brinell. For scrapers, liners, chutes, conveyors — outlasting low carbon steel by two to ten times. Moderate formability.

COLD ROLLED

LOW CARBON — A continuous mill product made with a high degree of gauge accuracy and uniformity of physical characteristics. The smooth deoxidized matte finish gives an excellent base for paint, lacquer and enamel. Box annealing and absence of scale permit stamping and moderate drawing operations. Sheets bend flat on themselves without cracking. Oiling protects surface against rust. Conforms to ASTM A366 — with carbon content held to .10 max. (instead of .15 max. as the spec permits) for improved welding and forming.

GALVANIZED

Galvanized is a term long used to describe steel sheets coated with zinc. Usually associated with the hot dipped process but the zinc coating can also be applied by electroplating. Our hot dipped galvanized sheets are produced to conform with ASTM A525. Electrogalvanized conforms to ASTM A591

The producing mills have accomplished many technological advancements in recent years in the manufacture of both hot dipped and electrogalvanized sheets. The end use should determine the type of coated product and surface condition required. Regardless of the coating weight, spangle size, method of manufacture or surface preparation required. Following are descriptions of the grades and conditions of galvanized sheets used most often.

COATING

ASTM designation	Minimum check limit by triple spot test (oz/sq. ft)
G-60 Light Commercial	0.60
G-90 Commercial	0.90
up to	up to
G-210	2.10
