

G235 GALVANIZED SHEET METAL



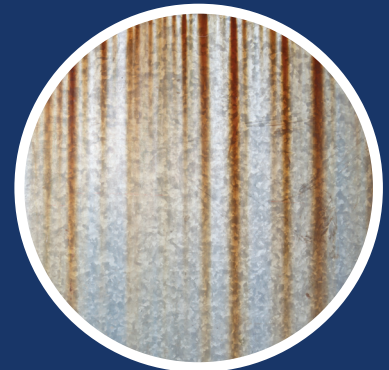
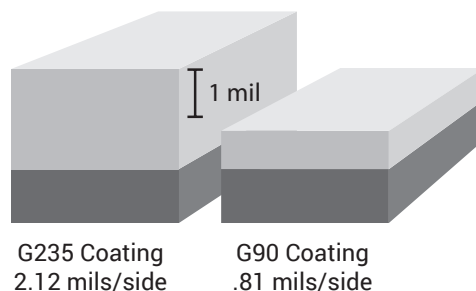
BACKGROUND

Zinc coating is the most commonly used material to increase the corrosion resistance of steel. The zinc protects iron by corroding first. In the event the underlying metal becomes exposed, protection can continue as long as there is zinc close enough to be electrically coupled. After all of the zinc in the immediate area is consumed, localized corrosion of the base metal can occur.

The continuous galvanizing process is specified according to ASTM A653, which designates specific zinc coating weights, indicated by a "G" (galvanized) followed by a number. The number represents the total weight of the coating. For example, G235 steel has 2.35 oz/ft² total coating (1.175 oz/ft² on each side).

G235 COATING

All galvanized Colmac Coil housings are coated to G235 specifications. This heavier coating means it will be more durable and can be expected to perform 2.6x longer than a more typical G90 coating.



COMPROMISED COATING

The coating on G90 galvanized steel has only 38% the zinc thickness of G235. Because of this, the sheet metal is much more susceptible to corroding through the protective galvanized coating. This casing will need to be serviced or replaced significantly sooner than G235 steel.



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CRN



CSA

CE(PED) Certification, ASME Sec. VIII, Canadian Registration Number, UL508, UL207, Canadian Standards Association, ASME B31.5

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