



RE: Hot-dip Galvanizing on Ideal Product

May 12, 2016

To whom it may concern:

All Ideal Hot-dip Galvanized Products conform to ASTM Standards of ASTM A123 for the main product parts and the ASTM A153 for fasteners.

An excellent source for FAQs is the [American Galvanizers Association](#) website. The Hot Dip Galvanizing process was first patented in 1837. It has a long history of use and much data is available to demonstrate real-life protection provided by the process. With nearly 200 years of data, the [American Galvanizers Association](#) can state with confidence in their publication titled *Service Life of Galvanized Steel Articles in Soil Applications* that "Hot-dip galvanized steel performs well (service life over 75 years), in most soil conditions." This statement is regarding product with a zinc coating of 3.5 mils. Ideal product average coating exceeds 3.9 mils, so the service life is proportionately longer than the service life average of 75 years stated in the AGA article.

All hot-dip galvanizing comes out of the kettle shiny. As it cures, the finish becomes a dull matte gray color. Variation in the chemical composition of the steel also affects the appearance of the finish. Typically, the smoother the finish the thicker the galvanizing.

Ideal is pleased to provide our customers with the cost-effective, proven, industry-standard corrosion protection provided by Hot-dip Galvanizing.

In conclusion, the opening statement is repeated. All Ideal Hot-dip Galvanized Products conform to ASTM Standards of ASTM A123 for the main product parts and the ASTM A153 for fasteners.

Sincerely,

A handwritten signature in black ink that reads "David A. Frink". The signature is written in a cursive style.

David A. Frink
Special Projects Manager