

Series 500

Corrosion resistance is a high priority in the construction industry. In recent years, the need to improve corrosion resistance on key parts exposed to environmental contaminants has been identified. Research has now yielded a highly improved method for protecting zinc plated metal parts from corrosion using a patented three step process (dip, rinse, and seal). Use of this advanced patented technology for the SERIES 500 threaded rod was an obvious and logical choice.

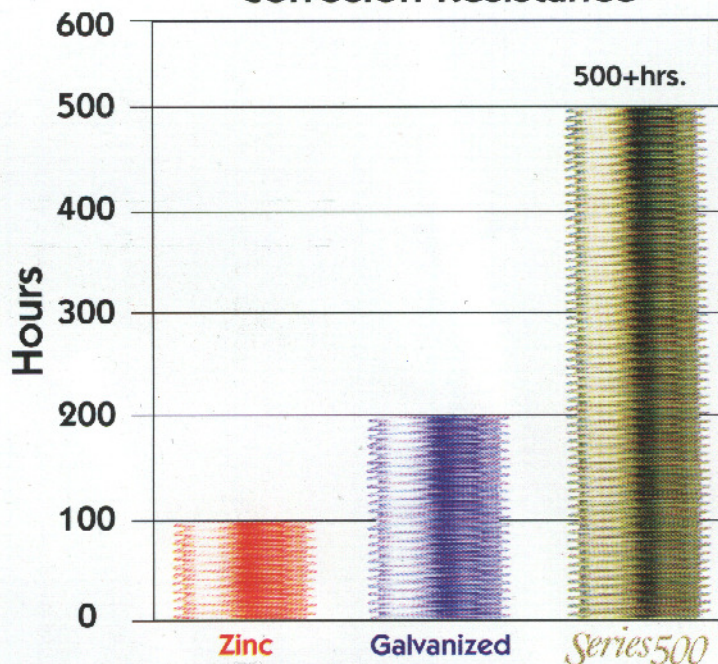
Hot dipped galvanizing generally results in a much thicker zinc coating than zinc electroplating. In situations where the product is subject to continual mechanical abrasion, this extra thickness is essential. In other situations it can be less important. With threaded rod, thick coatings will clog the threads.

Only .0004 inches thick, this finish has proven in salt spray testing to provide superior corrosion resistance over the traditional methods of hot dipped galvanized or epoxy coatings. A special note is that this finish can be applied to threads, traditionally the area most vulnerable to corrosion. Coating threads with epoxy renders them unusable. Commercial zinc plating provides little protection and coating threads with hot dipped galvanized requires expensive rethreading to remove the excess galvanizing. Also, the choice of this patented finish dramatically reduces the toxic fumes generated from welding and does not contaminate the weld itself.

Unprotected zinc .0005 inches thick is expected to last about 96 hours in salt spray testing. Hot dipped galvanized threaded rod is expected to last 100 to 200 hours in salt spray testing. The patented Series 500 three step process provides upwards of 500 hours. This will compare favourably with as much as .005 inches of galvanizing and could substantially

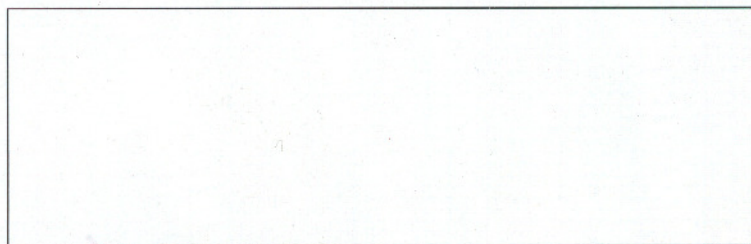
outperform thinner coatings. Since the chromate and seal provides a protective barrier over the zinc plating, there are no visible corrosion products during the first 300 hours of testing. This electroplated product will have a better appearance than hot dipped galvanized and will retain that appearance for a substantial portion of the useful life, a tangible benefit for those situations requiring outdoor storage.

Corrosion Resistance



Improved corrosion resistance is being mandated throughout the construction industry. The finish selected for the SERIES-500 threaded rod utilizes a remarkable new patented three step coating process developed by the automotive industry. Salt spray tests have rendered such superior results that traditional coatings of epoxy and hot dipped galvanized are now obsolete.

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