

# Construction Fasteners

Magni Construction Coatings have been used in the industry for 10 years. Magni provides excellent corrosion protection in many areas including use with treated lumber. Magni Construction Coating systems use a zinc base layer and a Magni topcoat specifically engineered for the construction industry.

## Magni benefits:

- Passes 1500 hours ASTM B117 Salt Spray
- Cost-competitive
- Lower cost than stainless steel while not sacrificing long-term protection
- Standard & custom colors available
- Integrated lubricity for easy installation
- Maintains adhesion after multiple installation/removal cycles
- Worldwide availability



## Magni Superior Test Results | Construction

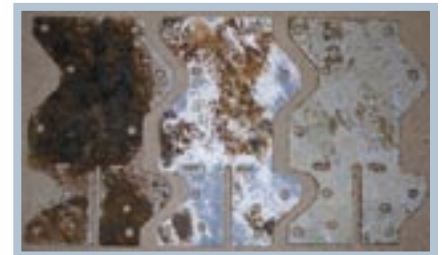
**Magni 599 Coated Nails**  
Installed in ACQ Lumber  
After 4 months Humidity Testing



**G90 Galvanized Nails**  
Installed in ACQ Lumber  
After 4 months Humidity Testing



**Metal Construction Connectors**  
Installed in ACQ Lumber  
After 4 months Humidity Testing



G90

G185

Magni

# Magni Industrial Coatings

Magni Industrial Coatings are chrome free. Our duplex fastener coating system combines an inorganic zinc-rich basecoat with an aluminum-rich organic topcoat. Friction modifiers are integrated into our topcoats, this allows for repeatable torque tension characteristics during assembly. Magni Coatings are designed for use on fasteners, stampings and other types of hardware. This product is available in a variety of colors.

## Magni benefits:

- Exceptional corrosion resistance
- Chrome-free coating system
- No hydrogen embrittlement
- Galvanic protection
- Consistent torque tension relationship
- Low cost alternative to cadmium, zinc alloys and stainless steel
- Resistant to automotive fuels and fluids



## Magni Superior Test Results | Industrial

3/4" Bolts

Magni Coatings

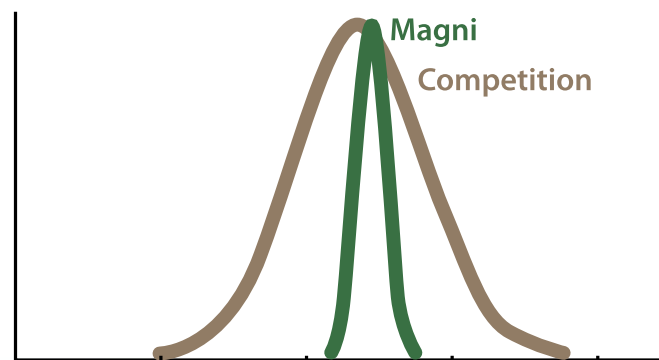
1000 hours of ASTM B117 testing



Magni Coatings Friction Comparison

3/4 x 6" Long Bolts: DIN 946 Friction Testing

Distribution of Friction Coefficient Data



Friction Coefficient @ 26300 Lbs Tension

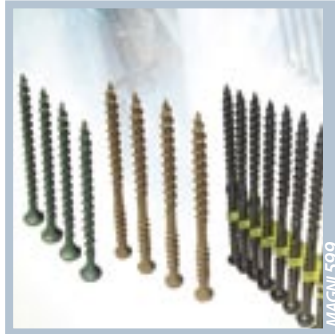
## **The Magni Group**

*We strive to eliminate and control corrosion. We engineer our coatings using the latest technological advances and our strength is in our research and development.*

*While the primary function of these coatings is corrosion control, other design features such as lubricity, color matching, and conductivity actually improve the performance of the parts they protect.*

### **Magni benefits:**

- Fewer coating layers, lower cost
- Low coating thickness
- Greater corrosion protection
- Consistent and improved friction
- Chrome free systems
- Worldwide availability
- 30 year history in coating development and manufacturing



## **Industry Approvals**

*AM General/US Army*

*Case New Holland*

*Caterpillar*

*John Deere*

*Bobcat*

*ISO*

*International Truck*

*Trane*

*FMC*

*General Motors*

*Ford Motor Co.*

*Land Rover*

*Chrysler*

*Delphi*

*Cummins Engine*

*PSA*

*Volvo*

*BMW*

*TRW*

*Arvin Meritor*

*Renault Trucks*

*Fiat*

*Volkswagen*

*Nissan*

*Porsche*