

504  
MAGNI

# MAGNI 504 FASTENER COATING



Magni 504 is a chrome-free, water-based coating engineered for use on stainless steel. Typical applications include nuts, bolts, screws and clamps. This coating features an inorganic/organic hybrid resin system that withstands automotive fluid resistance requirements and should be applied to thread-forming fasteners and other fasteners that require high lubricity. Magni 504 is often used on stainless steel fasteners to prevent galling during assembly.

- ✓ Applied via dip-spin or spray application methods
- ✓ Consistent friction at varying temperatures and high clamp loads
- ✓ Fewer processing steps: improves quality and reduces cost
- ✓ Good adhesion characteristics when applied on difficult-to-wet surfaces, including electroplated zinc and zinc-rich coatings
- ✓ Oven cured
- ✓ Superior performance in fewer layers than comparable coatings

## PERFORMANCE DATA\*:

Adhesion	GM9071OP
Method B:	5B rating
Automotive fluid testing	
WSA-M21P26-A 3.7.3 to 3.7.8: PASS (water; gasoline; hot oil; ethylene glycol; brake fluid; power steering fluid; transmission fluid; diesel GM 6146M)	
Coating thickness	8-10 microns
Coefficient of friction ISO 16047:	0.10 ± 0.03
Color	Black; blue; dark gray



\*Source: <https://magnicoatings.com/>

## OEM SPECIFICATIONS:

FCA	PS-1409
Ford	WSS-M21P33-A
General Motors	GMW 16431

