



RIE  
5230

# TECHNICAL DATA

RIE COATING

RIE 5230

CORROSION PROTECTIVE FINISH

## GENERAL DESCRIPTION

**RIE5230:** is a “chrome- free” fastener coating material developed for the automotive, agricultural & industrial markets. It is a resin bonded, thermally-cured fluoropolymer coating. RIE5230 is formulated for application to fasteners by dip/spin or hand-spray method. Its primary function is to facilitate uniform driving torque while providing corrosion resistance. Can also prevent fuel filters and ABS rings from corroding.

**RIE5230:** applied in two coats (0.6 mils) over zinc-phosphated carbon steel exceeds 336 hours in ASTM B117. With three coats, it is not uncommon for testing to run 600+ hours. (One coat (0.3 mils) over zinc phosphate will achieve 72 - 144 hours salt spray to minimal red corrosion). The fastener-class coating meets engineering material specifications for automotive fasteners by Detroit’s Automotive Manufacturers (DaimlerChrysler, Ford and General Motors). Formulated to be absolutely free of all restricted heavy metals, particularly chromium.

- Daimler/Chrysler Corporation: PS-7001
- Ford Motor Company: WSD-M21P10-B2 (S303), WSD-M21P10-B3 (S306)
- General Motors: 6046M

**RIE5230:** is dry, non-oily and nongreasy, with a uniform, attractive black appearance. It has outstanding and consistent torque/tension characteristics, superb resistance to corrosion and the elements, with unsurpassed resistance to chemicals, including all automotive fuels, lubricants and fluids. It resists chipping & flaking.

**RIE5230:** Coefficient of Friction = 0.15 (2 coats over zinc phosphated 10.9 plain steel fastener)

*(RIE5230 works well as a base coat for RIE9025 Black top coat)*

