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MAGNI 554

FASTENER COATING

Magni 554 is a chrome-free fastener duplex coating system that combines an inorganic zinc-rich basecoat with an organic aluminum-rich friction-modified topcoat. The inorganic basecoat system is developed for superior heat-resistant corrosion performance and consistent in-process material stability. The organic topcoat system can be adjusted to meet OEM friction requirements while providing outstanding adhesion, heated loosening performance and chemical resistance. Magni 554 is applied at SWD with a state of the art tilt and tumble dip-spin method with fewer processing steps, resulting in improved quality at a lower cost.

PERFORMANCE DATA:

Coating thickness	13-18 microns
Coefficient of friction	
ISO 16047:	0.12 ± 0.03
PS-11036 Nm@42.3kN:	54-81
Color	Silver/blue
Cyclic corrosion resistance	
SAEJ2334:	60-80 cycles
Heated loosening:	VDA 235-203 > 0.08
Salt spray	
ASTM B117:	720-1,000 hours
Torque coefficient (k-factor)	
ISO 16047 (using Zn electroplate test nut/washer)	0.15 ± 0.03

OEM SPECIFICATIONS:

Chrysler	PS-11036
Caterpillar	1E1675G

