

MAGNI 554

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 can be applied via dip-spin or spray application methods with fewer processing steps, resulting in improved quality at a lower cost.

PERFORMANCE DATA*:

Coating thickness	5 microns minimum (topcoat) over 8 microns minimum (basecoat)
Coefficient of friction	
ISO 16047:	0.11 ± 0.03
PS-11036 Nm@42.3kN:	54-81
Color	Silver/blue
Cyclic corrosion resistance	
SAEJ2334:	60-80 cycles
Heated loosening:	VDA 235-203 > 0.06
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:

ASTM	A490, A325, F3125
Caterpillar	1E1675G
FCA	PS-11036 (Type 2), 9.57513
ISO	10683



*Typical Values - refer to OEM Specifications and Magni Application Guidelines for official specifications