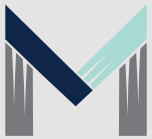




NANO GALV[®] FASTENERS PRODUCT DATASHEET

NanoGalv is a zinc-nickel nanolaminate technology that provides excellent corrosion resistance across a broad range of fastener applications.

NANOLAMINATE THICKNESS	8 microns minimum on significant surfaces
INDUSTRY DESIGNATIONS	<ul style="list-style-type: none">• ASTM F1941 Fe/Zn-Ni 8BN• ASTM B841 Class 2 Type AN
COEFFICIENT OF FRICTION (ISO 16047 K-FACTOR)	0.15 +/- 0.04 with lubricant
OPERATING TEMPERATURE	-148°F to 401°F (-100°C to 205°C)
MARKET APPLICATIONS	Infrastructure, Marine, Oil and Gas, Transportation
SALT SPRAY (ASTM B117)	>3000 hours
CYCLIC CORROSION (GMW 14872)	120 cycles with stress
COATING ADHESION (ASTM B571)	Pass: Bend, Burnish, Heat/Quench and Impact
HYDROGEN EMBRITTLEMENT (ASTM F519)	Pass 200h sustained load test
SUBSTRATE COMPATIBILITY	<ul style="list-style-type: none">• Carbon steel and low alloy steels.• High strength steels are baked per ASTM B850
INSTALLATION COMPATIBILITY	Carbon and alloy steel connections



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