



SAVINGS | SCIENCE | SAFETY

Recommendations for **OPTIMUM PERFORMANCE**

Paint is not enough, but it does its job on the outside
(always paint after assembly)

PERFORMANCE OF A FASTENER = TO BE ABLE TO TURN THE NUT AFTER A LONG PERIOD OF TIME

Fasteners seize because oxide accumulates in the thread engagement between the fastener and the nut, when this occurs, cutting, torching or grinding is required to remove the fastener. This is hard, expensive and time consuming.

A \$10-dollar fastener may cost up to a \$1,000 dollars to cut!
(not counting the lost production or downtime of the facility)

Polyurethane and epoxy paint systems add an additional layer of protection to fasteners in service and work well covering up damage that may occur during assembly or sandblasting. The doxsteelfasteners performance will be maintained because **the interior threads in the engagement** between the nut and the bolt will still have the Nickel-Cobalt alloy protection.

However, if paint were enough we would not be plating a fastener. The doxsteelfasteners will not seize because the interior thread engagement is always protected. Hence the paint system will help provide the exterior protection on the exposed threads and nut flats.

FOR OPTIMAL PERFORMANCE DOXSTEEL FASTENERS SHOULD ALWAYS BE PAINTED AFTER ASSEMBLY

All platings contain micropores, which after a period of time will start to produce stains of red rust on the fastener's most exposed areas of the outside nut. Any polyurethane or epoxy paint will seal these micropores and add to the longevity of the coating system.

If the doxsteelfasteners are not painted, red rust stains will show on the surface, however the performance (the ability to dismantle without the need of cutting) **will not be compromised**. After any field test on fasteners, you should always evaluate the thread engagement and the ease of dismantle.

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