

Handling Tips

Cleaning

When cleaning a treated part, rinse with a solvent that will dissolve probable surface contaminants (i.e., use a nonpolar solvent to remove hydrocarbon contaminants, or a more polar solvent to remove more active contaminants). Avoid using cleaners containing abrasives as they can scratch the layer. Mild sonication may assist in contaminant removal, but do not oversonicate—this could damage the layer. **Do not use basic solutions with pH>8.** Do not steam clean any Restek treated system components or lines, as this could damage the layer.

Galling

As with any threaded fitting, galling may occur when assembling two treated parts. To prevent thread damage, use a thread lubricant or Teflon® tape (e.g. ResTape Stainless Steel Thread Sealing Tape, cat.# 22487). Galling potentially can be reduced when assembling a treated part and an untreated part.

Treatment Layer Troubleshooting

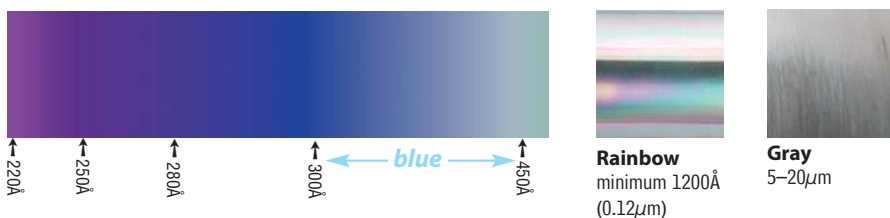
Under normal use, your treated items should deliver outstanding performance for years to come. However, effective lifetime is dependent on the severity of the environment. Factors that can impede performance are:

Contamination	Failure to properly clean the surface can allow increased surface activity. If performance changes, thoroughly clean the surface and inspect the layer for damage.
Erosion	Contact with abrasives can accelerate surface wear.
Bases	Contact with a base (pH 8 or higher) can accelerate deterioration of the layer.

Surface finish and color should stay consistent throughout the life of the product. Changes in the finish or color may indicate a partial loss of the layer. To prevent further loss, ensure no exposure to bases or abrasives.

Treatment Layer Color

Colors are created by the treatment's light refraction properties. The visible color depends on the treatment layer's thickness. Layer thickness ranges from 0.03µm to 30µm, controlled by variables in the process to our specifications. There is a degree of variability to the process, and each piece is treated individually. Therefore, every piece is unique!



Mark Eckley
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9+ years of service!



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