



# Coating Material Compatibility Guide

Applicable to all SilcoNert®, Dursan®, Dursox™, Silcolloy®, SilcoGuard®, and SilcoKlean® Coatings

Material Types	Recommended	Acceptable	Not Treatable	Comment
Stainless steel	●			Good results
Hastelloy®	●			Good results
InconeI®	●			Good results
Glass	●			Good results
Ceramics	●			Good results
Titanium	●			Good results
Carbon	●			Good results
Platinum	●			Good results
Invar	●			Good results
Fecralloy®	●			Good results
Manganese	●			Good results
Elgiloy®	●			Good results
Tantalum	●			Good results
Tungsten alloys	●			Good results
Aluminum		●		5000-series not compatible
Carbon and tool steel		●		Not recommended in corrosion apps.
Super duplex			●	Possible embrittlement
Monel®			●	Not treatable (copper content)
Gold			●	Not treatable
Silver			●	Not treatable
Bronze			●	Not treatable
Nickel and nickel plating			●	Not treatable
Brass			●	Not treatable
Zinc			●	Not treatable
Copper and copper alloys			●	Not treatable
Lead and lead alloys			●	Not treatable
Plastics and fluoropolymers			●	Not treatable
<b>Surface Finish</b>				
Electropolished	●			Good results
Passivated	●			Good results
Hardened	●			Good results
Polished	●			Good results
Laser etched/engraved		●		Coating typically doesn't fill
Other coated or plated			●	Not treatable
<b>Weld or Braze</b>				
Vacuum-nickel brazing	●			Good results
TIG/MIG weld	●			Good results
Silver solder		●		Must withstand 450° C
Bronze solder			●	Not treatable
Common lead/tin solder			●	Not treatable

If you have questions, please call +1 814-353-1778 or send us an email at [SilcoD@SilcoTek.com](mailto:SilcoD@SilcoTek.com)



Game-Changing Coatings™

+1 814-353-1778

[www.SilcoTek.com](http://www.SilcoTek.com)