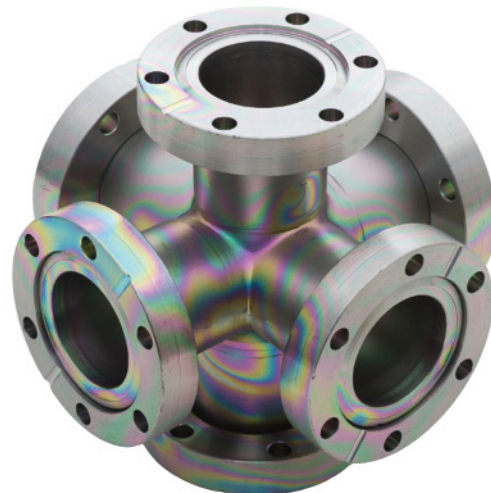




A silica-like corrosion resistant coating for high purity process environments.

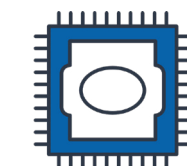
## Overview

Dursox® (patent info at [www.silcotek.com/IP](http://www.silcotek.com/IP)) is a chemically protective hydrophilic barrier of amorphous silicon and oxygen that prevents substrate ions from leaching into process streams. Applied via chemical vapor deposition (CVD), Dursox® is required when both a robust and chemically compatible surface are critical.



## Key Applications and Benefits

- Achieve the performance of exotic materials at a fraction of the price
- Fight corrosion and chemical interaction
- Lower instrument detection limits
- Improve surface wetting



Semiconductor



Research



Corrosion

## Dursox® Specifications

<b>Coating Structure:</b>	Silica-like coating (a-SiO <sub>x</sub> )	
<b>Deposition Process:</b>	Thermal chemical vapor deposition (not plasma-enhanced)	
<b>Maximum Temperature:</b>	1250° C*	
<b>Substrate:</b>	Compatibility:	Stainless steel, exotics alloys, ceramics
	Size:	Up to 78" (198 cm)
	Geometry:	Any shape, including complex geometrics
<b>Typical Thickness:</b>	400 - 1600 nm	
<b>Hydrophobicity (contact angle):</b>	≤60°	
<b>Allowable pH Exposure:</b>	0 - 14	