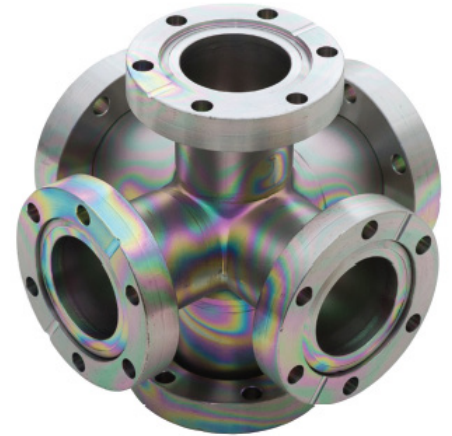


Dursox™



A corrosion resistant and hydrophilic silicon oxide coating ideal for controlling the surface properties of critical components.

Overview

Dursox™ (US patent pending) 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.

Features & 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

Specifications

Substrate compatibility*:	SS alloys, ceramics, glass, titanium, most exotic metals, TIG/MIG welds, vacuum-nickel brazed areas
Allowable temp. range:	-210 °C to +1400 °C
Typical thickness:	400-1600 nm
Allowable pH exposure:	0-14
Lubricity (coefficient of friction):	0.378
Hydrophobicity (contact angle):	40°
Wear resistance:	6.13 (304 stainless steel: 13.81)