



A versatile coating solution ideal for corrosion and wear resistance, chemical inertness, and anti-stick properties.

## Overview

Dursan® (US patent pending) is a chemically protective barrier of amorphous silicon, oxygen and carbon that is further functionalized to resist adsorption of corrosive, reactive, and otherwise unwanted molecules. Applied via chemical vapor deposition (CVD), Dursan® is a required coating when both a robust and chemically inert surface are critical.

## Features & Benefits

- Achieve the performance of exotic materials at a fraction of the price
- Fight corrosion, erosion, and wear
- Lower your instrument's detection limits
- Prevent sticking; easy to clean

## Specifications

Substrate compatibility*:	SS alloys, ceramics, glass, titanium, most exotic metals, TIG/ MIG welds, vacuum-nickel brazed areas
Allowable temp. range*:	-210° C to +500° C (inert atmosphere), 450° C (oxidative atmosphere)
Typical thickness:	400-1600 nm
Allowable pH exposure:	0-14
Lubricity (coefficient of friction):	0.378
Hydrophobicity (contact angle):	90°
Wear resistance:	6.13 (304 stainless steel: 13.81)