

# SilcoNert®

The ultimate inert coating for improved sampling and trace-level analysis of active compounds.



## Overview

SilcoNert® (US Patent 6,444,326 & 6,511,760) is a chemically protective barrier of amorphous silicon that is further functionalized to provide the most inert surface available. Applied via chemical vapor deposition (CVD), SilcoNert® is ideal for any analytical flow path where trace levels of important molecules such as sulfurs, mercury, and ammonia must be accurately measured and characterized.

## Features & Benefits

- Non-line-of-sight process; all holes and complex geometries will be coated
- Eliminate adsorption and retesting
- Obtain faster calibrations
- Have full confidence in your results

## Specifications

Substrate compatibility*:	SS alloys, ceramics, glass, titanium, most exotic metals, TIG/MIG welds, vacuum-nickel brazed areas
Allowable temp. range:	-210° C to +450°C
Typical thickness:	100-500 nm
Allowable pH exposure:	0-8
Lubricity (coefficient of friction):	0.7
Hydrophobicity (contact angle):	80°
Wear resistance:	14.00 (304 stainless steel: 13.81)