

# SilcoNert® 2000

The ultimate inert coating. Also known as Sulfinert® and Siltek®.

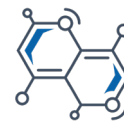
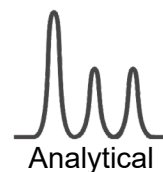
## Overview

SilcoNert® 2000 (patent info at [www.silcotek.com/IP](http://www.silcotek.com/IP)) 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® 2000 is ideal when trace-level testing accuracy (< parts-per-million) of sulfurs, mercury, ammonia, or other active compounds is imperative.



## Key Applications and Benefits

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



## SilcoNert® 2000 Specifications

<b>Coating Structure:</b>	Functionalized hydrogenated amorphous silicon
<b>Deposition Process:</b>	Thermal chemical vapor deposition (not plasma-enhanced)
<b>Maximum Temperature*:</b>	450° C (inert atmosphere) 400° C (oxidative)
<b>Substrate:</b>	Compatibility: Stainless steel, exotic alloys, ceramics Size: Up to 78" (198 cm) Geometry: Any shape, including complex geometrics
<b>Typical Thickness:</b>	100 - 500 nm
<b>Hydrophobicity (contact angle):</b>	≥65°
<b>Allowable pH Exposure:</b>	0 - 8