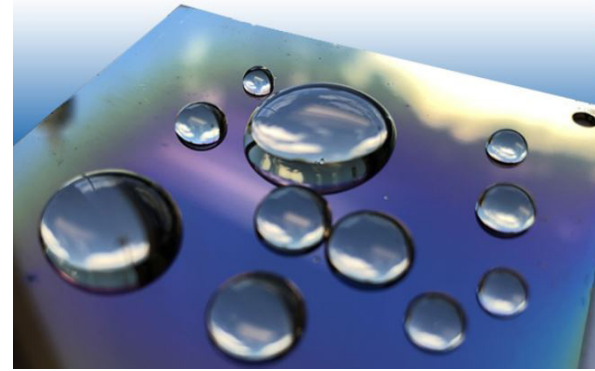


Notak[®]2000

SilcoTek's most non-stick surface treatment.

Overview

Notak[®] is SilcoTek's most hydrophobic surface treatment, using a direct surface functionalization of the substrate to drastically lower surface energy (patent info at www.silcotek.com/IP). Applied via chemical vapor deposition (CVD), the Notak[®] process directly enhances surfaces to resist unwanted build-up of water, ice, sticky hydrocarbons, and other foulants to improve performance.

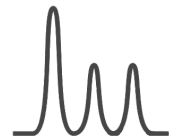


Key Applications and Benefits

- Increase hydrophobicity and oleophobicity
- Improve mold release
- Prevent surface fouling
- Stable performance up to 300°C



Heat Exchangers



Research



Medical



Analytical

Notak[®] Properties

Coating Structure:	Direct functionalization of base substrate
Deposition Process:	Thermal chemical vapor deposition (not plasma-enhanced)
Maximum Temperature:*	Max for functionalization: 300° C
Substrate:	Compatibility: Stainless steel, Aluminum, Brass Size: Up to 24"x17" maximum (60x43 cm) Geometry: Any shape, including complex geometries
Typical Thickness:	Monolayer treatment, no appreciable thickness
Hydrophobicity (contact angle):	Water: $\geq 101^\circ$ Hexadecane: $\geq 34^\circ$
pH Exposure:	Dependent on chemical exposure and substrate material.