

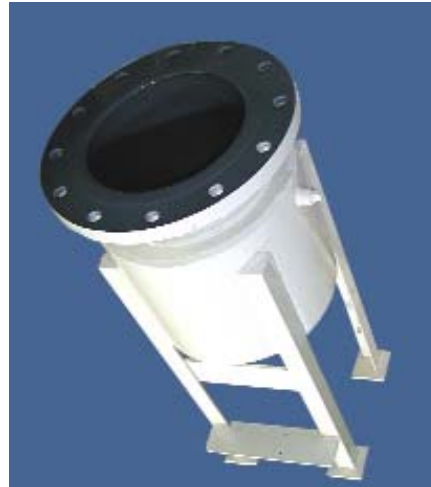
SermaShield™ 200 Powder Coating

Description

SermaShield 200 is a seamless fluoropolymer coating system designed to protect processing equipment from chemical attack and provide abrasion resistance and thermal shock resistance at continuous operation at temperatures up to 300°F (149°C). The coating can be used with full vacuum rating over the entire pH range.

Advantages:

- Operating temperature range from -110°F to 300°F (-79° to 149°C)
- Full vacuum rating over the entire pH range
- Pinhole free
- Compatible with all substrates except some alloys with high copper content
- Field repairable
- Excellent chemical resistance
- Complex geometries are easily coated
- Available in thicknesses from 15-80 mils (0.375 - 2.0mm)
- Superior surface smoothness
- Superior permeation resistance compared with other fluoropolymers



50 Liter (13.2 gallon) High Purity Processing Vessel



49 inch (1.24m) Centrifuge Basket

Applications

- Agitators
- Baffles
- Bellows
- Centrifuges
- Columns
- Dip Tubes
- Ducts
- Filter Housings
- Fume Hoods
- Gas Cylinders
- Heat Exchangers
- IBCs
- Piping Systems
- Plating Equipment
- Probes
- Pumps & Housings
- Reactors
- Spargers
- Storage Vessels
- Tanks
- Thermowells
- Vacuum Dryers
- Valves

Visit us online: www.sermatech.com

Sermatech Texas

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Sales

Greg Groff
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SermaShield 200 Coating Processes

SermeTel Hardcoat -

For processing conditions that use abrasive slurries or encounter wear at high shear, a hard coat formulation is available. Reinforced with microscopic, abrasion-resistant carbide particles, SermeTel Hardcoat ECTFE is ideal for agitators, augers, pipe fittings, pumps and valves.

SermeTel Nonstick -

For applications that require enhanced nonstick characteristics, ECTFE is available in a release formulation that features PTFE added to the coating surface.

SermeTel StaticGuard -

When processing non-polar solvents, we can add a static-dissipating coat to the top layer of the coating system.

PROPERTY	METHOD	SERMASHIELD
Tensile Strength at 23°C (73°F), Psi	ASTM D1708	6,600
Elongation, % at 23°C (73°F)	ASTM D1708	325
Flexural Modulus	ASTM D790	220,000
Specific Gravity	ASTM D792	1.65-1.71
Melting Point, °C (°F)	ASTM D3159	245 (428)
Maximum Use temp., °C (°F) varies with chemical exposure		150 (300)
Hardness, Shore D	ASTM D785	75
Taber Abrasion, (1kg load, mg removed/1000 cycles)	ASTM D4060	41.7

Note:
The suitability of SermaShield 200 for use is dependent upon process environment.

Please contact us to evaluate your process environment.

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