



Product Information

www.miller-stephenson.com

ShieldSys™ Advanced Medical Coatings

Optical Coating (MS-3466MD)

This is a unique functional fluoropolymer coating that is clear, offers smudge resistance, rapid fog dissipation and antifouling properties. ShieldSys™ is suitable for a variety of specialty medical lenses and glass displays. This durable coating is for customers who want better solutions to impart oil/water condensation and fogging on glass surfaces. This coating will also provide abrasion resistance and a smooth touch feel for glass surfaces.

Biocompatible
ISO: 10993

Key Benefits & Characteristics

- Abrasion Resistant • Low Coefficient of Friction • Easy Clean • Durable • Effective on Glass Surfaces •
- Transparent • UV Resistant • Anti-Fouling • Rapid Fog Dissipation

APPLICATIONS & TECHNICAL DATA

Common Uses

- Glass Displays/Monitors
- Specialty Medical Lenses (Arthroscopic/Laparoscopic)
- Surgeon Loop Eyewear
- Specialty Monitors
- Touch Screen Devices

Application Method

- Phase Vapor Deposition (PVD)
- Wet Dip
- Spray

<u>Measurement Type</u>	<u>ShieldSys™</u>	<u>Unit</u>
Water contact angle.....	117.....	°
Oil contact angle.....	73.....	°
Roll-off angle.....	12.....	°
Coefficient of friction.....	0.19	
Smudge resistance.....	Excellent	

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