



RADIOOPAQUE GOLD™ COATINGS

Ideal for use with a variety of biomedical devices

Overview

Developed from the Surmet™ specialty coating technologies, deposited by a proprietary vacuum process, Entegris' RadioOpaque Gold™ coatings are ideal for a variety of biomedical applications. The coatings consist of a combination of noble metals such as gold, silver, platinum, etc., which are well-known for their bio-compatibility.

These extremely dense, strongly adherent coatings are resistant to delamination when stressed to fracture and are capable of achieving 100% attenuation of a fluoroscopic spectrum. Both are essential characteristics required in biomedical applications.

Biomedical Applications

- Intravenous markers
- Implants
- Stents, catheters and guide wires

Features

- Excellent mechanical properties
- Controlled stress
- Eliminates the need for crimping and swaging metal bands on devices
- Flexible coatings are easily bent

Specifications

Substrate:	Compatibility	Metals, ceramics, polymers
	Size	Unlimited
	Geometry	Patterned and complex geometries
Structure:	Gold, silver, platinum	
Temperature:	Deposition	150°C (302°F)
	Use	Up to 200°C (392°F)
Coating thickness:	Up to 15 µm	
Resistance:	Wear/abrasion	Good
	Corrosion	High resistance to aqueous conditions and bodily fluids

For More Information

To learn more about how Entegris' high-purity specialty coatings help customers enhance yields, improve productivity and meet technological roadmaps, call Entegris Specialty Coatings at +1 781-359-3700.

To review Entegris' specialty coatings offering, visit Entegris' Web site at www.entegrisspecialitycoatings.com.

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