

AVIAN GOLD STANDARDS AND TARGETS



Gold reflectance standards, available in custom sizes

Categories: [NEAR- & MID-IR GOLD COATINGS & MATERIALS](#), [PHYSICAL STANDARDS](#), [REFLECTANCE STANDARDS](#)

- [Product Information](#)



Diffuse gold is an excellent standard for wavelengths from 850 nm to >15 μ m. Avian Technologies AvianGold offers >90% diffuse reflectance from 1000 nm to well into the mid-infrared.

Options/Specifications

Calibrated NIR-MIR (800-2500nm and 2.5-20 μ 8°/H geometry; 2" square/round targets only)

Calibrated MIR (2.5-20 μ 8°/H geometry)

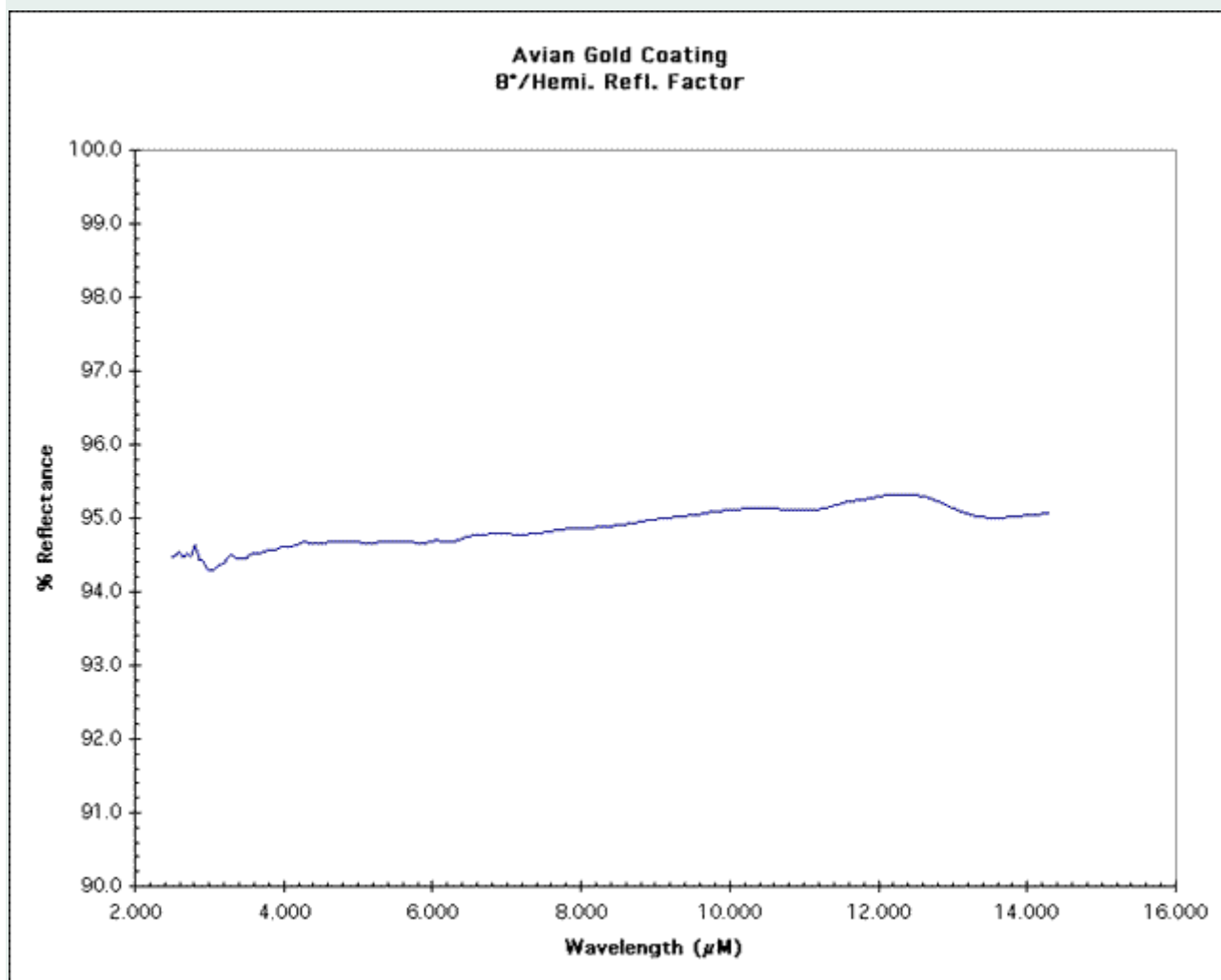
Calibrated NIR (800-2500nm 8°/H geometry)

Calibration	Uncalibrated (nominal data available)
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Dimensions	2" diameter; 2", 5", 10" square
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Custom sizes available on request; contact us to discuss your specific application.

The same product is available as a [custom coating](#).



AvianGold 8°/Hemispherical Reflectance Factor (click for full size)

- [Ordering](#)

RS-AU-02 *2" diameter Gold Standard, in Delrin holder with cover*

RT-Au-02 *2" square Gold Standard target, in aluminum holder*

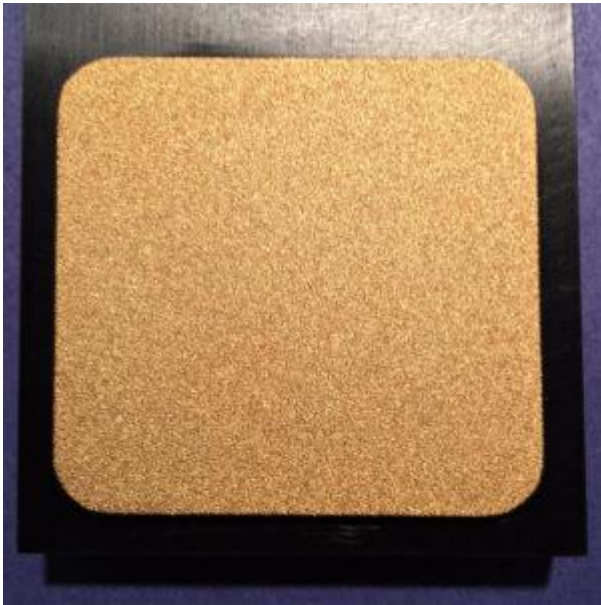
RT-Au-05 *5" square Gold Standard target, in aluminum holder*

RT-Au-10 *10" square Gold Standard target, in Aluminum holder*

Custom

*Custom products are our specialty!
Contact us for more information.*

You may also like



Near- and Mid-IR Gold Coatings

NEAR- AND MID-IR GOLD COATINGS

High-reflectance gold coatings

Categories: [MATERIALS & COATINGS](#), [NEAR- & MID-IR GOLD COATINGS & MATERIALS](#)

- [Product Information](#)

Avian Technologies offers near- and mid-IR gold coatings, applied at our [coating facility](#).

Applications include:

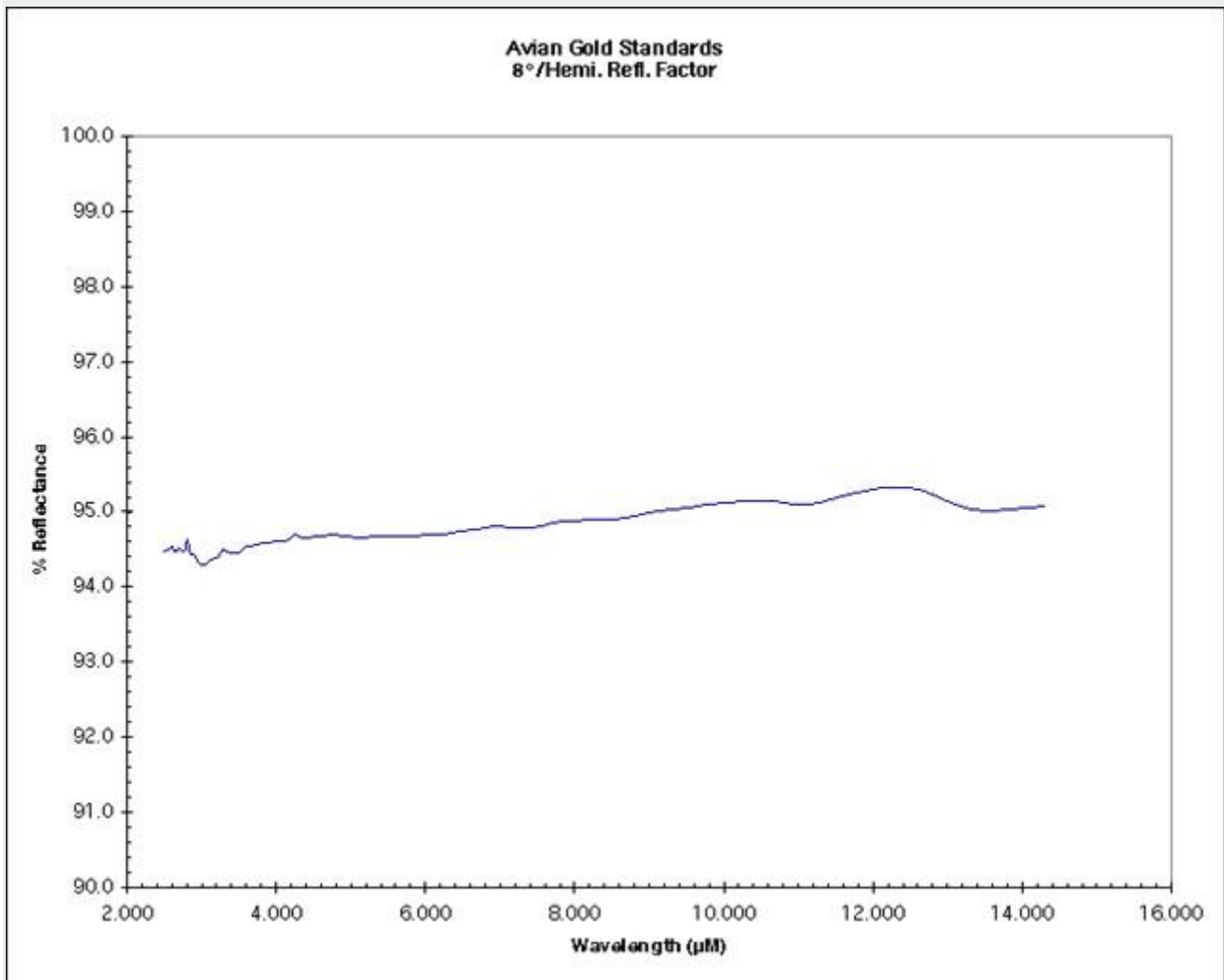
- Integrating Spheres
- Reflectance targets & standards
- Laser cavities

Typical near-IR total hemispherical reflectance is in the 92-94% range and mid-IR total hemispherical reflectance is typically 94-97%.

Suitable substrates for NIR gold coating are aluminum or stainless steel, while coating for the mid-IR is best applied to certain aluminum alloys, particularly 6061-T6 and -1000. We can provide AvianGold coating on parts large and small, including flat plates for targets, standards, other optical components requiring high diffuse reflectance in the mid-IR, and integrating spheres up to 18" diameter. We specialize in custom components.

Contact us for more information regarding coating application for your specific application.

The same products are available as a [reflectance standard/target](#).



Hemispherical Reflectance (click for full size)

Custom

*Custom products are our specialty!
Contact us to discuss your coating application.*



Avian Technologies

Solutions for Optical Spectroscopy Materials, Coatings, and Standards

News

NEWS

LC Instru Represents Avian Technologies

Avian Technologies is pleased to welcome our newest representative, **LC Instru**. If you are interested in purchasing Avian Technologies products in France, give them a call!

Visit our **international sales** page for more information on purchasing Avian Technologies' products if you are located outside the US.

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