Spectral *Optics*

a division of SPECTRAL PRODUCTS, LLC

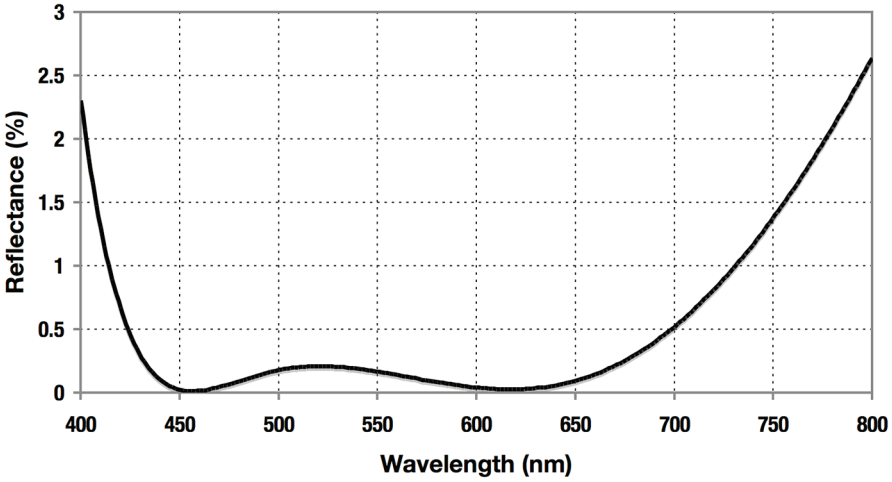
The new standard in optical coatings and coated optical components

BBAR1

Broadband Visible Antireflection Coating

REFLECTANCE

BBAR1 Broadband Visible Antireflection Coating



SPECIFICATIONS

- Average reflectivity < 0.5%
- Wavelength range 425 - 675 nm
- Adhesion meets MIL-C-675C
- Electron beam evaporated durable multilayer dielectric

The BBAR1 broadband visible coating is guaranteed to provide an average reflectivity R of less than 0.5% over the wavelength region of 425 - 675 nm at normal incidence. At 45° incidence angle R < 0.5% for P - polarization and R< 3.0% for S - polarization. At its reflectance minima it matches the performance of a wavelength-matched V-coat, but with much broader off-peak usability. It is fabricated using hard electron beam deposited dielectric materials, and so has excellent resistance to abrasion, moisture and laboratory solvents. It can be deployed on BK7, fused silica and other standard optical glasses. Typical damage threshold is 1kW/cm^2 CW and 2 J/cm^2 with 10 nS pulses, measured at 532 nm.

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