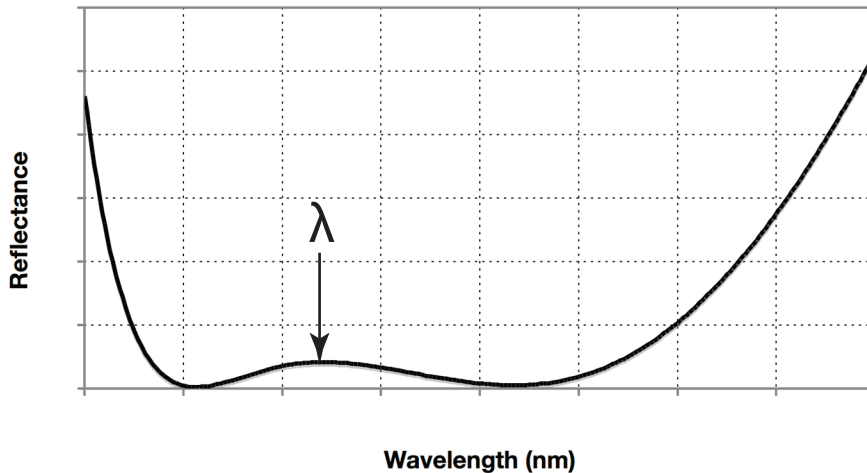


REFLECTANCE

SPECIFICATIONS

BBAR_λ Broadband Antireflection Coating



- Average reflectivity < 0.5%
- Wavelength range 0.8λ to 1.3λ
- Adhesion meets MIL-C-675C
- Electron beam evaporated durable multilayer dielectric

The BBAR_λ broadband visible coating is guaranteed to provide an average reflectivity R of less than 0.5% over the wavelength region of 0.8λ to 1.3λ 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 $1\text{kW}/\text{cm}^2$ CW and $2\text{ J}/\text{cm}^2$ with 10 nS pulses, measured at 532 nm.