

COATING

COATING SERVICES

HOYA's End-to-End solution offers a combination of optical glass or filter glass, fabrication capabilities in conjunction with our internal coating expertise . HOYA has developed a family of durable high performance coating for UV, visible and near IR. These coatings have excellent abrasion resistance and environmental durability. They meet or exceed all the physical and environmental requirements of MIL-C-14806A. Custom coating design services are also available to meet the specifications of your requirement.



AVAILABLE COATINGS

Coating Type	Description
▶ HEAR: High Efficiency Broad Band AR	Multi-layer broad band anti-reflection
▶ BBAR: High Efficiency Ex-Broad Band AR	Multi-layer broad band with extended wavelength range
▶ BBHR: Broad Band HR	Broad band high reflection coating
▶ ITO: ITO Coatings	Conductive coating; conductive multi-layer coating with high efficiency anti-reflection coating is also available
▶ BP: Bandpass Filters	Fabry-Perot type bandpass filters; 350nm - 1800nm
▶ EF: Edge Filters	Long-pass and short-pass filters
▶ Custom Coating Design	UV-VIS-NIR

Specifications subject to change without further notice.



HOYA CORPORATION USA
Optics Division
3400 Edison Way
Fremont, CA 94538

800-818-HOYA (4692)
510-252-8370
510-490-1988 fax
www.hoyaoptics.com

LASER COATING

PRODUCT DESCRIPTION

HOYA CORPORATION USA - Optics Division has the coating expertise and design capability to manufacture some of your most challenging laser requirements. HOYA's in-house fabrication and extensive analytical instrumentation ensure prompt delivery and utmost quality.

- ▶ Electron Beam Evaporated Coatings: Laser damage threshold > 5J/cm², 1ns pulses, 50pps
- ▶ Coatings for UV-VIS-NIR Applications
- ▶ Available Substrates: BK-7, Dynasil and other substrates from HOYA's extensive Optical and Filter Glass Catalog
- ▶ Instrumentation: Interferometers, spectrometers and video comparators
- ▶ Surface Quality: 10/5 and better
- ▶ Precision Mechanical and Thickness Tolerances

AVAILABLE COATINGS

Available Coatings	Description
▶ AR: Anti-Reflection Coatings	R<0.2% typical. Customer specified wavelength and width
▶ Dual AR	R<0.2% for 532 and 1064nm typical
▶ HR: High Reflection Coatings	R>99.5% typical. Customer specified wavelength and angle of incidence
▶ Dual and Triple HR	R>99.5% for 532 and 1064nm typical
▶ PC: Polarizer Coating	20 - 40dB extinction ratio typical
▶ PR: Partial Reflectors	Designed to your specification
▶ Custom Coatings	Dichroic and other coatings available upon request

Specifications subject to change without notice



HOYA CORPORATION USA
Optics Division
3400 Edison Way
Fremont, CA 94538

800-818-HOYA (4692)
510-252-8370
510-490-1988 fax
www.hoyaoptics.com