Hydrophilic & Hydrophobic Optical Coatings Available from ZC&R Coatings for Optics

Photonics West 2011 - Torrance, CA – ZC&R Coatings for Optics, a division of Abrisa Technologies, provides both hydrophilic and hydrophobic optical coatings for applications such as outdoor surveillance, camera windows, outdoor displays, marine displays, medical devices, and more.

ZC&R's hydrophilic coatings reduce distortion by interacting positively with water, causing condensates to spread uniformly over the surface of the coated glass; sheeting water rather than forming droplets that scatter light. Perfect for outdoor use or in environments where moisture is present, hydrophilic coatings can be combined with all ZC&R specialty coatings for a highly customized solution. Durable and cost-effective, this ion-assisted inorganic hard coating functions well in high humidity situations.

ZC&R hydrophilic coatings can be applied on glass substrates for optics applications with wavelengths between 350 nm and 2700 nm. In addition, the durable coatings comply with MIL-C-675C for severe abrasion.

ZC&R’s hydrophobic coatings can be provided in both coated and laminated solutions for repelling moisture. Ideal for touch screens, the water repellant hydrophobic coating creates a barrier against dirt, dust and a host of liquids.

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About Abrisa Technologies: Abrisa Technologies is headquartered in Santa Paula, California, and is comprised of three divisions that provide precision glass optics products and services. The divisions include; Abrisa Industrial Glass, Inc., Sycamore Glass Components, and ZC&R Coatings for Optics. As a market leader in optical coatings and high quality precision glass fabrication, Abrisa Technologies is dedicated to providing premier customer service, cost-effective products that fit each customer’s exacting requirements.

About ZC&R Coatings for Optics: ZC&R Coatings for Optics located in Torrance, California is a division of Abrisa Technologies, providing high quality precision coatings and components from 200 nm to 20 microns, from UV to the FAR IR; including high power laser coatings at 1.604, 1.54, 1.57, and 10.6 microns. Other available coatings include anti-reflection (AR), beamsplitters, hot and cold mirrors, band pass color filters, heat and color control, ITO and index-matched ITO, metal coatings, dielectrics, covert and fluorescence filters. Specializing in prototypes and OEM volumes, ZC&R is a global leader in quality optical thin films.

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