CALL US TODAY · (714)-585-4172

Coursen Coating Labs, Inc.

AR Coatings

An antireflective or anti-reflection (AR) coating is a type of optical coating applied to the surface of lenses and other optical elements to reduce reflection. In typical imaging systems, this improves the efficiency since less light is lost due to reflection and helps to produce brighter and clearer images.

Request A Quote

Coursen Coating Labs offers many coatings consisting of transparent thin film structures with alternating layers of contrasting refractive index. Layer thicknesses are chosen to produce destructive interference in the beams reflected from the interfaces, and constructive interference in the corresponding transmitted beams. A wavelength range must be specified when designing or ordering such coatings, but good performance can often be achieved for a relatively wide range of frequencies.

Our most asked for AR coating is our Broadband Anti-Reflective Coating (BBAR). At normal incidence, this coating typically boasts a reflection average of 0.5% between 425-675nm, covering most of the visual range. The transmission will vary depending on the substrate used. Please contact us for further details.

Features

- High Transmittance
- Low Reflectivity
- Durable
- Easy to clean

Available on Soda Lime, Borosilicate, water white, IR materials and crystalline materials in the following sizes:

Diameter: 0.2” to 24”

Thickness: 0.0040” to 1”

Please use our quote form to custom sizes and shapes.

Request A Quote

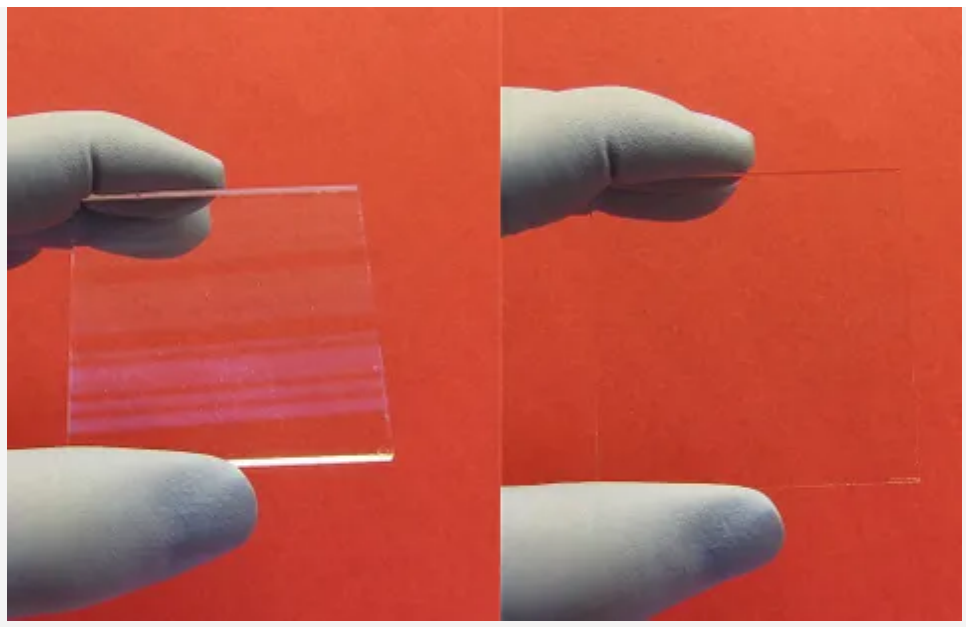
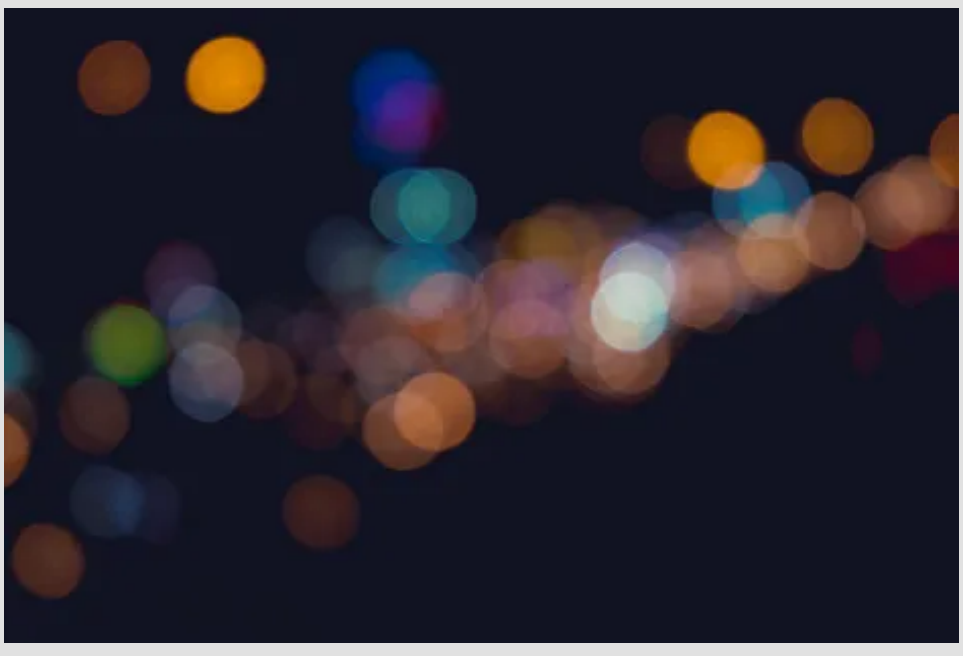


Figure 1 By Zaereth - Own work, CC0



THIS IS WHERE THE CAPTION GOES

Coming Soon.

Coming Soon.

Figure 2 By Dllu - Own work, CC BY-SA 4.0

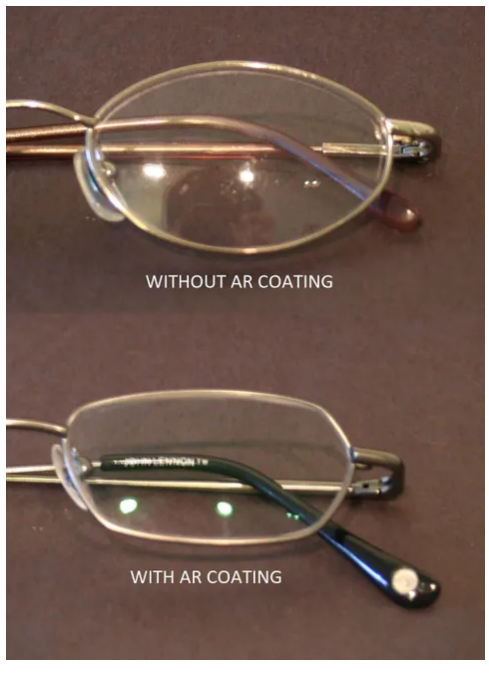


Figure 3 By Justin Lebar - Own work, CC BY-SA 3.0

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Coursen Coating Labs, Inc.

VISIT

2925 College Ave. # A1
Costa Mesa, CA 92626

CONTACT

(714)-585-4172
Dan@CoursenCoatingLabs.com

CONNECT