

Advanced AR Coating

Solidar **ULTRA**

Why **Solidar AR**?

Solidar Lab is one of the most technologically advanced coating labs in America. In fact, the name comes from "Solid-AR" and represents the lab's original commitment to bringing the most durable and dependable AR coatings to the marketplace.)

Advanced **Technology**

Solidar Ultra builds the AR foundation with a technologically advanced, thermal cured, zirconium hard coat, using the dip method. The Ultra is composed of 12 bonded layers, using proprietary chemistry, formulated for exceptional durability and performance. A super hydro-phobic top-coat insures ease of cleaning.

Validated by **NSL Laboratories**

The outstanding performance of the Solidar Ultra has been validated by NSL Analytical Testing Lab, the most respected independent testing lab in the optical industry:

NSL performed the following 4 key tests recommended by the Vision Council of America. The results for Solidar Ultra are outstanding:

- 1. Craziing test:** Perfect score no crazing
- 2. Delamination test:** Perfect score no delamination
- 3. Crosshatch area test:** Perfect score no peeling
- 4. Contact Angle** for super hydrophobic top-coat for ease of cleaning:
 - Superior score of 116
 - No change in contact angle score after 5,000 rubbing cycle test, yielded a Superior Performance score of 116
 - After a 10,000 rubbing cycle test, a superior contact angle score of 109.8 is maintained.



Oleophobic / Hydrophobic Topcoat

- grease-resistant
- easy to clean
- water resistant
- reduces dust attraction

Anti-Reflective Layers

- reduces reflections from computer screens and televisions
- reduces eye fatigue
- reduces distorting glare
- effectively eliminates reflections on the lens surface

Ultra Bonding Layer

- extends the life of lens

Thermal Hard Coat Layer

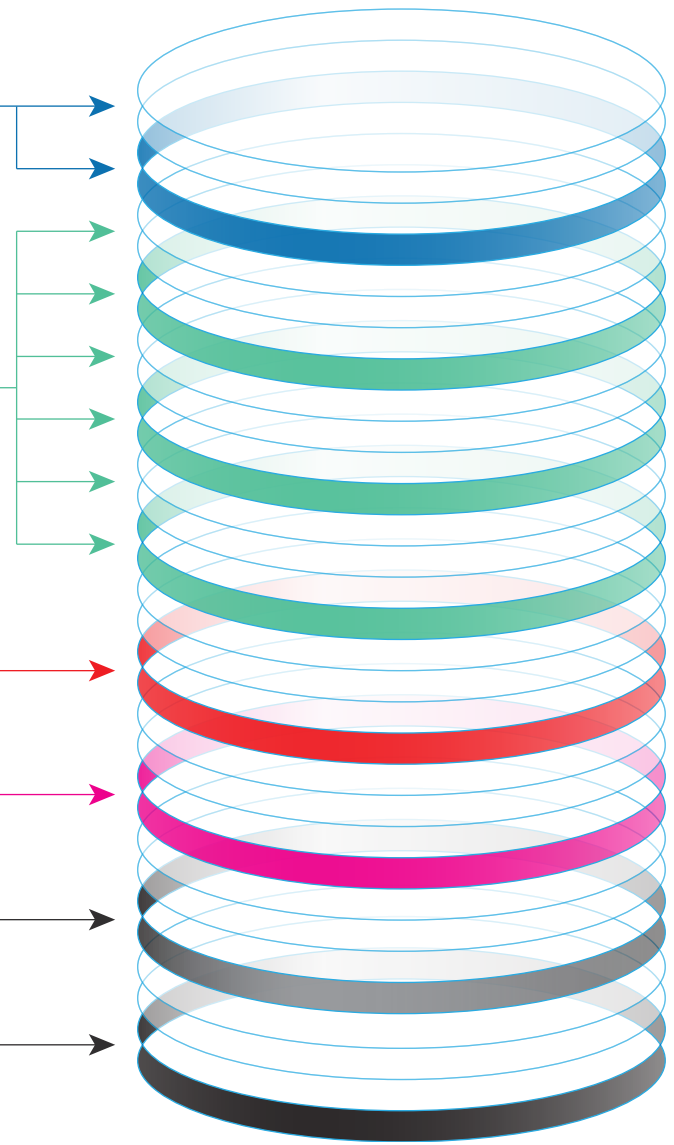
- toughest scratch resistance available

High Impact Cushion Coating

- provides spectacular durability

Lens Substrate

- 1.74, 1.67, 1.60, Trivex, Polycarbonate, and CR-39 Plastic



Validated by 

Easy to Clean, Scratch Resistant, Smudge Resistant!

- Increases overall clarity of vision,
- Improves vision using computers, tablets and mobile devices
- Enhances vision when driving at night.

Also available: Solidar **ADVANCED**

The Solidar Advanced AR Coating uses a proprietary spin coat and has many of the same anti-reflective properties as the Ultra. It is an excellent choice when a dip coat is not required.

