



DuraCoat AR and DuraCoat AR 90 Hardened Cover Glass

Anti-Smudge, Print-Free, Anti-Reflective Hard Coating with
optional Solar Reflecting



Features:

- Repels fingerprints
- Easy to clean with soft cloth
- 8H Hardness- 450,000 rub resistant
- Chemically inert- resists stains
- Withstands greater than 90 day salt-fog test (Mil-rated)
- Less than .4% surface reflectance
- Reflects up to 90% of Near IR solar energy
- High light transmission
- Hardened glass substrate available

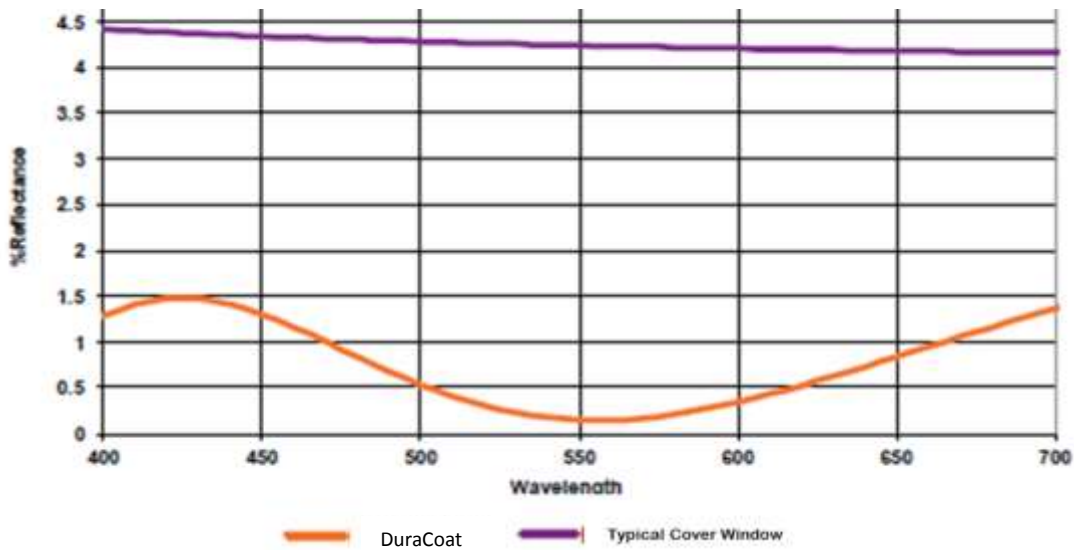
DuraCoat AR- Luminary Optics introduces DuraCoat AR, a uniquely formulated window specifically developed for the most rugged outdoor applications. DuraCoat AR front coating is the most durable anti-reflecting (AR) coating available. The AR coating itself is less than .4% of specular reflectance, but more important, DuraCoat AR resists all smudges and finger-prints. Due to its low surface tension, smudges literally wipe away without special cleaners with just a soft cloth. The coating is also durable. The AR coating has an 8H pencil hardness which can tolerate abrasions, with up to 450,000 rubs without lifting or damage to the coating. DuraCoat AR can also survive a 90 day salt-fog test as well as a variety of other accelerated acid spray tests.

DuraCoat AR 90- For increased performance, Luminary Optics also offers, DuraCoat AR 90. DuraCoat AR 90 has the identical front coating as DuraCoat AR but also comes with the optional solar reflecting coating which can reflect up to 90% of near-field Infrared radiation. Block most radiation between 750-1200 nm, DuraCoat AR can minimize the solar-loading effects to the LCD. This will prevent or mitigate most of the source of external heat loading to a LCD, preventing the display from going isotropic or reaching its "clearing" temperature. The solar reflecting functions does not allow the heat energy from being absorbed by the window, making DuraCoat AR ideal for optical bonding applications. Should the installation require an "air-gap" (non-bonded) solution, the unique solar reflecting coating is an excellent AR interface. No additional AR coatings are required.

Luminary Optics, 1800 NW 169th Place, Suite B-250, Beaverton OR, 97006, (503) 833-8939
www.luminaryoptics.com

Specifications: DuraCoat AR and DuraCoat AR 90

Test Description	DuraCoat AR / AR90
Dry Cheesecloth rub test with 1.5 lbs. weight	450,000 rubs
Steel wool #0000 with 1.5 lbs. weight	10,000 rubs
UV exposure, noon Florida sun, 24/7 (equiv.)	500 hours
Salt fog, 5% NaCl at 35 degree C	90 days
Copper accelerated acid spray test	30 days
Photopic reflection	< 0.4%



DuraCoat AR 90

