

CORNING Gorilla® Glass



Anti-reflective and Easy-to-Clean Technology Product Information

Benefits

- Eliminates surface reflections from external light sources by > 80%
- Improves the display contrast and color gamut by reducing reflections from the top of the surface
- Aids in the removal of oil, dirt, and other smudges
- Improves the tactile qualities of the touch screen

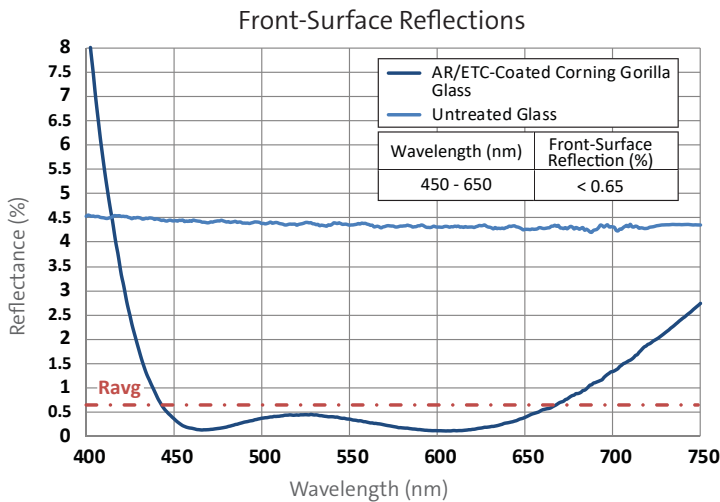
Easy-to-Clean Technology

- Unique oleophobic and hydrophobic surface properties allow the easy removal of everyday oils and smudges
- Surface properties remain effective after exposure to everyday liquids

Applications

- Laptops
- Tablets
- Convertible Notebooks

Reduces Front-Surface Reflections by > 80%

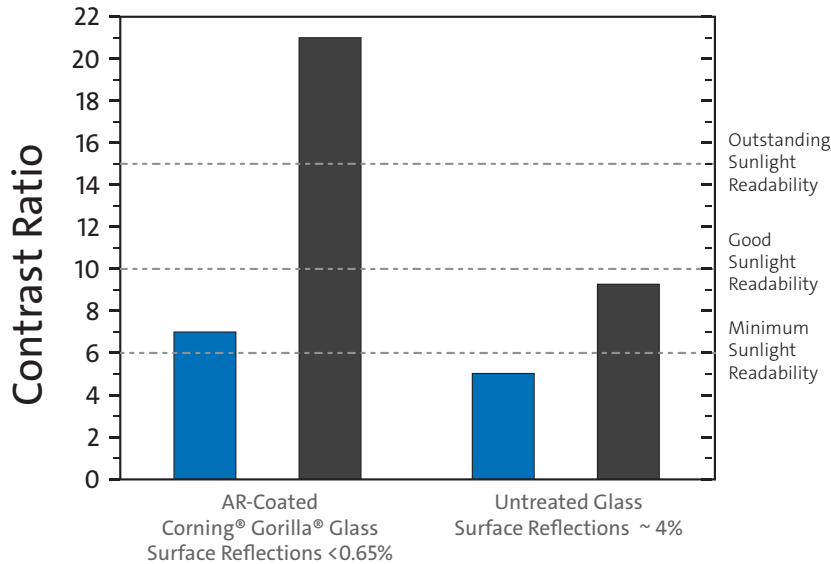


Chemical and Environmental

Test	Before (Water Contact Angle)	After (Water Contact Angle)
Thermal Cycle (500 hr)	119	117
Thermal Cycle (72 hr)	117	116
Thermal Shock (72 hr)	117	115
Salt Spray (2000 hr)	120	118
Synthetic Sweat (120 hr)	120	118
UV Exposure (72 hr)	118	118
Sunscreen Lotion (72 hr)	118	118
High pH Solution (72 hr)	118	118

After extreme exposure to sweat, salt spray, high temperatures, and humidity cycles, Corning's Anti-reflective and Easy-to-Clean Technology demonstrates high optical transmission, low haze, and high hydrophobicity.

Antireflective and Easy-to-Clean Technology Enhances Contrast Ratio in Outdoor Ambient Conditions



Corning's Antireflective and Easy-to-Clean Technology readily increases the Contrast Ratio* of common displays in ambient outdoor lighting conditions (e.g. partially sunny day or overcast day).

* Display Luminance: ~ 500 cd/m²
 Ambient Conditions: 5000 cd/m²
 Surface Reflections: 0.65% - 4%
 Internal Reflections: 2%, 4%, or 8%

■ 2% internal reflections (direct bond)
 ■ 8% internal reflections (air gap)

Reference: NISTIR 6738,2001

CORNING

For more information:
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