

ISTN

<http://www.istninc.com>

Single Layer Anti-Reflection Coating (Thermal-cure Reflection Reduction Coatings for Glass Surfaces)

Product Description

ISTN's Anti-Reflection (AR) and Scratch-Resistant Low-Reflection (LR) Coatings are sol-gel thin film coatings. The porosity of the coatings can be adjusted to meet specific application requirements. The highly porous AR formulation can achieve reflection values lower than 1% on each of the coated surfaces. The less porous LR formulation exhibits excellent mechanical properties that are very similar to the base glass substrate while maintaining >1.5% reflection reduction on each of the coated surfaces.

ISTN's AR and LR coatings are applied to glass substrates by wet coating processes such as dip, spin, or spray. This allows maximum flexibility in coating system design and can be adapted to existing production lines to maximize processing yields.

Product Features

- **Permanent Anti-Reflection Coating Treatment** for Glass Surfaces
- **Excellent Angle Dependence Properties** – Ideal for Solar Applications
- **Adjustable Coating Porosity** based on Application Requirements
 - **Excellent Optical Properties** for Delicate Applications (AR Formulation)
 - **Excellent Mechanical Properties** for Robust Applications (LR Formulation)
- **Adjustable Minimum Reflection Wavelength** based on Application Requirements
- **Wet-Chemistry Application Methods and Curing Processes** for Maximum Processing Yields
- **Compatible with Anti-Stain Coating** – LR Formulation

Product Applications

- **Solar Application Glass**
- **Consumer Electronics**
- **Handheld Devices**
- **Sensor Covers**
- **Architectural/Building Windows**
- **Outdoor Displays**
- **Advertisement Signage**
- **Marine/Aerospace Displays**
- **Specialty Windows**

Please contact ISTN Inc. directly for additional information regarding this product.

ISTN Contact Information

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