



## CrystalCoat® UV CST-1 Premium

### PREMIUM ABRASION RESISTANCE

- Ophthalmic UV-Cure Backside Coating
- Tintable & A/R Compatible
- Solvent-Free (100% Solids)

### High Performance Chemistry

Founded in 1986, SDC Technologies, Inc. is the recognized global leader in the manufacturing and distribution of premium proprietary UV-Cure abrasion resistant coatings. Leveraging the science of Sol-Gel Chemistry has led to the development of new technologies that transform the performance of coating. SDC's innovative coating solutions combine superior scratch resistance with exceptional product stability.

### Proven Industry Reputation

With more than 39 years of product innovation, SDC's proprietary technologies are trusted by the world's most prestigious brands. SDC's coatings were designed to elevate your brand by enhancing the durability and quality of your products. SDC is certified to ISO 9001:2015 (Quality) and ISO 14001:2015 (Environmental) standards.

### Patented Technology

CrystalCoat® UV CST-1 Premium backside coating delivers excellent adhesion, and best-in-class abrasion resistance. Uniquely formulated for ophthalmic and other high performance applications where optical clarity and durability are required. Capable of meeting your dynamic production needs, UV CST-1 is a multi-purpose, UV cure coating compatible with anti-reflective (A/R) lens treatments, and suitable for spin coat application. UV CST-1 also provides excellent tintability and low yellowness on multiple substrates.

SDC's optically clear coatings are formulated to maximize the performance and durability of eyewear. This revolutionary multi-purpose coating is highly versatile, easily integrated as a straight "drop-in" with SDC's CrystalSpin® coating equipment.

**CrystalSpin®**

**SDC**  
Technologies

# CrystalCoat® UV CST-1 Premium

## PRODUCT OVERVIEW

- Solvent-Free (100% solids-based), environmentally friendly
- Primerless, Spin Coat Application
- Compatible with anti-reflective (A/R) lens treatments
- UV-Cure, followed by 30 minute thermal cure to enhance adhesion & abrasion resistance

## PERFORMANCE FEATURES

- Delivers best-in-class high Bayer abrasion ratio for premium abrasion resistance
- Excellent optical clarity, tintability, product durability and stability
- Easy to use single coat system, meets demanding industry test requirements
- Primer-free adhesion to multiple substrates such as Polycarbonate, ADC (CR-39®, RAV 7™), Trivex®, Mid-Index Acrylic, MR-8™, MR-7™, MR-10™ & MR-174™



## PRODUCTION BENEFITS

- Manufactured under stringent ISO 9001:2015 quality standards, enhancing coating performance
- Coating streamlines manufacturing, enhancing yields and profitability
- Access to SDC's global technical support team for your product validation and application requirements

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