

In-House Premium Technology Reference Chart for Treatments

Crizal® *Sapphire HR*™ (subtle blue)

- *Durable resistance.* Enduring scratch resistance against everyday handling such as wiping or dropping your eyeglasses.
- *Absolute transparency.* 360° reduction of reflections, resulting in excellent aesthetics & visual clarity.
- *UV protection.* Offers full protection against the invisible & often irreversible day-to-day dangers of UV reflection.
- *Easy to clean.* Repels water & dust and resists to smudges, so your lens stays clean.



Crizal® *Easy Pro*™ (subtle green)

- *Scratch resistance.* Handles everyday usage scratches that may result from wiping the lens with the wrong cleaning cloth.
- *Anti-reflective.* Reduces distracting reflections from lights.
- *UV protection.* Offers full protection against the invisible & often irreversible day-to-day dangers of UV reflection.
- *Easy to clean.* Repels water & dust and resists to smudges, so your lens stays clear for longer.



Crizal® *Previncia*™ UV (subtle blue-violet)

Designed to selectively filter out harmful light (Blue-Violet and UV) while letting beneficial light pass through by utilizing **Light Scan**™, the selective No-Glare patent-pending technology.

• **Best-in-Class Protection**

- Proven to filter out harmful Light (both Blue-Violet and UV light) by 20%.
- Allows essential light to pass through (visible light, including Blue-Turquoise).
- Maintains excellent transparency (clear No-Glare lens) for optimal vision at all times.
- Has an Eye-Sun Protection Factor (E-SPF®) of 25, which means 25 times more UV protection for your eyes compared to wearing no lens at all.

Not available for 1.74 lenses and all polarized lenses at this time.

Crizal® *Rock*™ (subtle green)

• **Best-in-Class Durability**

The NEW Crizal Rock product is an upgrade to Crizal Avancé UV and offers improved protection against scratches & smudges. Powered by a unique High Resistance Technology™, Crizal Rock is the most scratch-resistant Crizal lens ever made. It also features the High Surface Density™ Super-hydrophobic topcoat that makes the lenses very easy to clean. As a result, Crizal Rock provides the best combination of scratch & smudge resistance, while maintaining high performance in terms of glare reduction, UV protection (E-SPF35), and water & dust repellent.

“New” Crizal® *Easy* (subtle green)

- Easy-to-clean. • Improved Scratch Resistant, Glare Resistant, Smudge Resistant.
- **Pad Control System**™: Exclusive Layer ensuring edging precision and protection. A **blue** color to distinguish it from the lens.



Crizal® *Sunshield UV* (Back-Side AR for approved polarized & tinted lenses only)

- Combine with tinted or polarized lenses. • Easy-to-clean and Smudge-Resistant.
- No-Glare with complete UV protection eliminates backside UV reflections, reducing the amount of UV light entering eyes.
- SR Booster Layer & anti-static properties backside of the lens enhancing scratch protection & resistance to dust.

Xperio UV™ (Back-Side AR for approved polarized lenses only)

- Eliminates 100% of blinding reflective glare. • Sharpest vision and clarity
- Offers the maximum UV protection available: E-SPF 50+

TD2® Super Hard Scratch Coating

- Tough, Durable, 2-Sided. Technologically advanced process providing superior protection against scratches.

Crizal UV with Optifog*

- Includes 4 Optifog Activator Cloths - an exclusive microfiber dry cloth that cleans and activates the Optifog lenses at the same time.
- * **Additional Optifog Activator Cloths** are available. If used properly, the Activator should last approximately 3 months. ECP's may want to stock additional Optifog Activator Cloths in their offices.

Uncut Lenses. For customers doing their own edging of uncut lenses that have Crizal with Optifog, a special Ricki Pad for edging must be used to prevent slippage in edger. Ricki Pads available at 100 pads per roll.

Added Benefit for Crizal UV Family & Xperio UV:

Designed to protect your patient's eyes from dangerous UV light coming from the backside of the lens, ensuring their visual health over time. These treatments now offer the **most complete protection against damaging UV reflection.** See availability listings.

AGT - Anti-Glare Technology

AGT Super Hard Coating Products

Advanced TC (Tough Coat)

- *Super Tough Hard Coating & Easy Coat* - Super tough scratch protection without the benefits of an anti-reflective AR coating. **AGT Advanced** is a premium coating package that guarantees an easy-to-clean, extremely super hard scratch resistant AR coating, combining original AGT Select performance with a new, easier to clean, **super** hydrophobic coating.

AGT Advanced

- Features Advanced TC super hard coating, anti-reflective AGT coating and a **super** hydrophobic coating. Almost invisible blue/green residual reflection.

AGT Advanced Gold

- Features Advanced TC super hard coating, anti-reflective AGT Gold coating and a **super** hydrophobic coating. Golden residual reflection.

Royal Ultimate Blue, Royal Ultimate Silver & Royal Ultimate Gold Mirrors

- G-15 (green grey) solid with flash blue mirror on front & AGT Advanced on back.
- 80% Grey solid with flash silver mirror on front & AGT Advanced on back.
- 80% Brown solid with flash gold mirror on front & AGT Advanced Gold on back.
- *Includes Super Tough Advanced TC Hard Coating & Royal Mirror & Super Hydrophobic Coating.*

Royal Ultimate Blue, Royal Ultimate Silver & Royal Ultimate Gold Mirrors (No Tint)

- Royal Blue & Royal Silver include AGT Advanced AR on backside, Royal Gold includes AGT Advanced Gold on backside. *Request free sample.*

Royal Ultimate Blue, Royal Ultimate Silver & Royal Ultimate Gold Mirrors (No-Tint, Transitions, PGX & Other Tint)

- Example: Light Blue 10%, etc. *Also available on Photo.Fashion Photochromic Color Lenses.*
- Royal Blue & Royal Silver include AGT Advanced AR on backside, Royal Gold includes AGT Advanced Gold on backside.

AGT Ultimate (blue)

- Provides 50% more protection against scratches than other AR coatings. Resists cracking, crazing and peeling
- Advanced super-hydrophobic & oleophobic coating repels dirt, grime & fingerprints up to TWO times longer
- 99% of available light reaches the eyes for sharper vision
- **Grip Coat:** dramatically reduces slippage problems found with many of today's super-slick lens coatings, so you can edge uncuts more easily & effectively.

Other AGT Lens Coatings

AGT Plus (soft blue/green) and AGT Plus Gold (golden)

- The famous anti-reflective coating that virtually eliminates glare and reflections off lenses. High performing super-hydrophobic scratch-resistant top coat that provides superior cleanability. Easy to clean and stays clean. Includes Easy Coat.

AGT (soft blue/green) and AGT Gold (golden)

- The famous anti-reflective coating that virtually eliminates glare and reflections off lenses, without the superior scratch protection of the Advanced TC hard coating. Includes Easy Coat & standard scratch coat front & back.

Royal Blue, Royal Silver & Royal Gold Mirrors (includes Easy Coat on all Royal Mirrors)

- For sunglasses: Royal Blue: blue mirror coating on front of lens, base lens color G-15 Green; back of lens AGT AR, without the superior scratch protection of the Advanced TC hard coating.
- Royal Silver: 80% Grey solid with flash silver mirror on front & AGT on back.
- Royal Gold: 80% Brown solid with flash gold mirror on front & AGT Gold on back.

Royal Blue, Royal Silver & Royal Gold Mirrors (No-Tint, Transitions, PGX & Other Tint)

- *(Royal Blue & Royal Silver includes AGT AR on back. Royal Gold includes AGT Gold on Back.)*

AGT Easy Coat - This is the final layer of protection that seals the lenses, repels dirt & grease, prevents staining and makes cleaning easier without smudging. Standard with all anti-reflective AGT, AGT Select and Advanced TC Coatings, Royal Mirrors.

NOTE: All Crizal and AGT AR & Mirror Coatings include a Free Premium Lens Cleaning Cloth & Care Instructions.



EVC™ - enhanced visual clarity (green)

- High performing super-hydrophobic scratch-resistant top coat that provides superior cleanability. Easy to clean and stays clean. Better visibility, great durability, superior cleanability.
- Protects against damaging back-side UV reflected light.
- Combines anti-static technology to repel dust, dirt, fingerprints, oil and grease.
- Reduced breakage with patented Pad Control System™. A **blue** color to distinguish it from the lens. Makes edging, grooving and drilling effortless.
- Protection against damaging UV reflection from backside of lenses.

PVAR - Pristine Vision AR (green)



- Advanced Scratch Protection
- Super-hydrophobic coating for superior cleanability
- A soothing green residual color
- A top coat for edging to limit slippage and breakage. Top coat cleans off easily after edging.
- A superior premium AR coating

BlueScreen

BlueScreen

- *A coating to help deflect bad HEV Blue-Violet light from computers & other digital devices.*

L2Y (Luzerne 2-Sided Tough Scratch Coat *with 2 Year Warranty*)

L2Y has a 2 year scratch warranty and can be replaced one time at no charge. Any further remakes will be replaced at a 25% discount. Limitations apply. Lenses must be remade to the exact specifications of the original order. Rx changes, frame changes, lens material changes, changes of A-B-ED-Bridge/DBL, edge or center thickness changes, and tint changes are not covered. Lenses showing abuse or excessive wear will not be covered. ALL RETURNS MUST BE ACCOMPANIED BY THE ORIGINAL AND REMAKE INVOICES.

L2Y is backed by a 2 year replacement guarantee against crazing, peeling, or cracking.

Luzerne Optical will replace the lens at no charge with a lens of original prescription as long as all the specifications (frame, measurements, .. power, etc.) are exactly the same as the original order and recommended care and cleaning instructions are followed.

TechShield Elite (VSP Billing Code “QV” coating D)

- *Ultimate visual performance, appearance, durability, cleanability*

TechShield Plus (VSP Billing Code “QT” coating C)

- *Superior visual performance and aesthetics with added durability*

TechShield (VSP Billing Code “QN” coating B)

- *Exceptional visual performance in an attractive base enhancement*

TechShield Blue (VSP Billing Code “QV” coating D)

- *Blue light reduction AR that combats digital eye strain*

TechShield, TechShield Plus, and TechShield Elite are all available with or without backside UV protection.

TechShield Elite UVR (VSP Billing Code “QV & BV” coating D)

TechShield Plus UVR (VSP Billing Code “QT & BV” coating C)

TechShield UVR (VSP Billing Code “QN & BV” coating B)

Effective 2020

All of the UNITY AR Coatings are now discontinued and have been replaced with VSP's new TechShield AR Coatings. If you order a discontinued UNITY AR coating, you will automatically receive the new & improved TechShield AR coating.

Shamir Glacier PLUS™ (green)

Shamir's original premium anti-reflective coating.

- Low Reflection Finish appearance that dramatically reduces cosmetic glare.
- Reduces coloration to provide an added cosmetic benefit of the glasses
- Improved scratch resistance to protect the lenses and provide greater durability and longevity
- Enhanced anti-static properties to repel dirt and dust
- Helps eliminate smears and smudges
- Developed with oleophobic and hydrophobic properties to enhance your visual acuity
- Lenses are easy & effortless to clean • Repels dirt, dust, and water, stays clean • Enhanced anti-static
- Remarkably hydrophobic • Incredibly easy to clean • Superior visual acuity • Extremely durable



Shamir Glacier Expression™ (blue)

Currently available as outsource; In-house coming soon!

Shamir's top anti-reflective coating with the best overall benefits with all the features of Glacier PLUS and more!

- High quality, scratch resistance & outstanding glare reduction formula.
- Look Better: Improved aesthetics and reduces up to 70% MORE reflection than leading AR coatings.
- See Better: Improved contrast sensitivity and light transmittance for the clearest, sharpest possible vision.
- Feel Better: Enjoy comfortable vision with minimized visual background noise using signal to noise technology built into the AR coating.
- Connect Better: Builds trust and better communication.

HOYA View Protect (green)

- Reduces Glare to 1% • Easy -to-clean, super hydrophobic • Smudge Resistant, oleophobic • Scratch Resistant

KODAK CleAR + (green)

- Provides protection against scratches. Resists cracking, crazing and peeling.
- Repels dirt, grime & fingerprints.
- 99% of available light reaches the eyes for sharper vision

KODAK Clean&CleAR™ (green)

- Same features of Kodak CleAR plus anti-static properties to resist clinging dust & a slicker hydrophobic that is still edgeable

KODAK Clean&CleAR™ UV (green)

- UV Protection E-SPF 25 Rating
- Provides protection against scratches. Resists cracking, crazing and peeling.
- Repels dirt, grime & fingerprints.
- Safer nighttime driving • Less eyestrain

KODAK Clean&CleAR™ with Silk (green)

Same features of Kodak Clean&CleAR plus:

- Bayer test results show that Silk adds 50% higher abrasion resistance over the original KODAK Clean&CleAR lenses
- 3M™ Steel Wool testing shows 50% higher scratch resistance over the same lenses
- 3-year simulated wear tests show no significant deterioration
- No peeling, crazing or delamination after accelerated weathering tests.

KODAK Clean&CleAR™ UV with Silk (green)

Same features of Kodak Clean&CleAR UV plus:

- Bayer test results show that Silk adds 50% higher abrasion resistance over the original KODAK Clean&CleAR lenses
- 3M™ Steel Wool testing shows 50% higher scratch resistance over the same lenses
- 3-year simulated wear tests show no significant deterioration
- No peeling, crazing or delamination after accelerated weathering tests.