

 **Color**

SUN PROTECTION

UV Protection	UV 400
Standard	EN ISO AS ANSI
Lightfastness	High Grade
Long-Term Stability	Excellent
Tinted Colors	Customized
	Contrast
	Blue Blocker



 **Hard Coat**

SCRATCH PROTECTION

Hardness	Grade 7
Durability	Excellent
Index	Matched
Tintable	None
Thickness	2.4µm
Primer (High Impact)	Optional



 **Multi Coat**

REFLECT PROTECTION

Stack System	7 Layer
Technology	Satisloh
Performance	< 1% Reflection
Durability	Outstanding
Color Accuracy	Consistent

 **Clean Coat**

DIRT PROTECTION

Top Coat Type	Satin
Technology	Satisloh
Performance	> 117°
Long-Term Stability	Excellent
Warp Coat	Optional

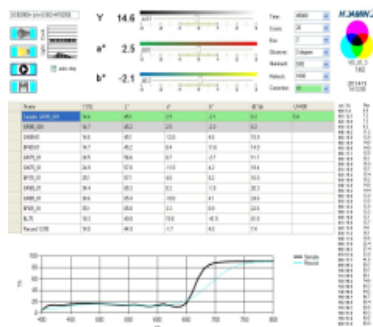
PROTECTION

100% UVA and UVB Protection
 UV 400 Cut Off
 According to EN ISO, AS and ANSI
 Blue Blocker
 Contrast

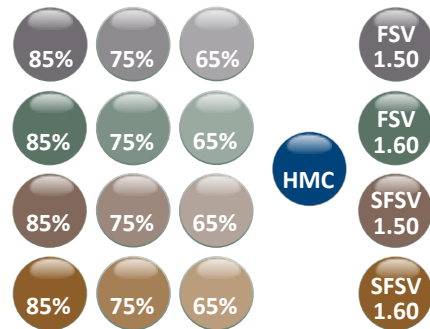
RESISTANCE

Excellent Light Fastness
 Long Time Storability
 High Temperature Resistance
 Suitable for Coating Treatments
 Resistance to Radiation

CONTROL



VARIETY



ADVANTAGE

Homogen Tinting
 Functional Colors
 Immediately Available from Stock
 Standardized Inspection Methods
 Mass Production Technique
 Optimized Dyestuff Selection

RANGE

Grey, Green, Brown, Contrast
 85%, 75%, 65%

FSV 1.50 / 1.60 60mm to 75mm
 S-6.00 to +6.00 C2.00

SFSV 1.50 / 1.60 65mm to 80mm
 B 0.50 to B 10.00

COMPLETE EYE UV PROTECTION

Hazard UV sunlight paths

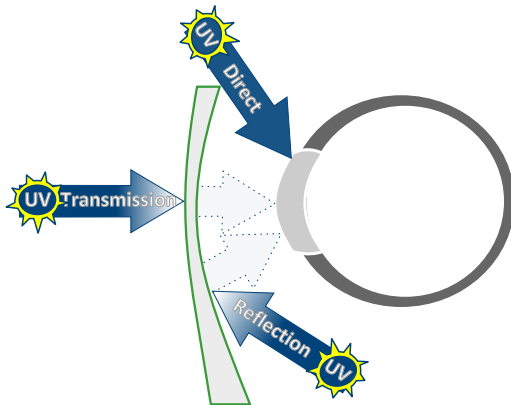
- Direct Incident light around the frame
- Transmittance Frontal light through the lens
- Reflectance Specular reflection from the lens back surface

UV DIRECT

Protection efficiencies against hazard UV light depends on geometric parameters

- lens curvature
- lens diameter
- vertex distance
- frame wrap
- pantoscopic tilt
- temple
- sideshield

UV Sunlight Paths



UV-AR

more than 5 times better than regular AR



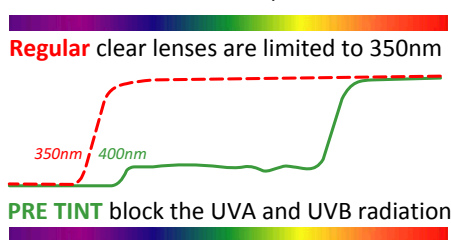
UV TRANSMITTANCE

Regular CR39® clear lenses are limited in their UV protection. Mostly they have an UV cut off level of 350nm.

HUAMING's CR39® tinted lenses come with a built-in UV 400nm protection level and absorb all UVA and UVB radiation.

Clear hard resin UV 400nm casted lenses or higher index lenses are specially designed to block any UV transmittance.

Transmittance: UV - VIS Spectrum



UV REFLECTANCE

Uncoated lenses reflect 4% to 6% of UVA and UVB light from the lens back surface which ensure a well UV eye protection.

Regular AR coatings are optimized to reduce reflection in the visible region but reinforce the UV reflection up to 40%.

HUAMING's UV-AR increases the protection efficiencies against back side UV hazard and limits the UV reflection to 5%.

Reflectance: UV - VIS Spectrum

