

**Elevate Your Space
with Premium
High Heat Rejection
Window Film**





DEFINITIONS OF SOLAR PARAMETERS

VLT (Visible Light Transmission)

VLT is the light that enters the structure through the glass. Visible light wavelength ranges from 380 to 700 nm in the sun spectrum.

Higher VLT means more natural light can pass through glass and film combination.

IRR (Infra Red Rejected)

IRR is the amount of Infra Red (IR) energy that is blocked by the film, either by reflecting or absorbing. Wavelength for IR in the solar spectrum is in the range of 780 to 2500 nm.

Relevance to the consumer: This is another important factor in the purchase of window films. Too much of incoming IR rays will make the space very hot and uncomfortable to stay inside. Both Capex and Opex for air-conditioning will go up to maintain a comfortable temperature inside if IR rays are not screened.

If purpose of fenestration is heat rejection, IRR should be considered over TSER.

GR (Glare Reduction)

Glare Reduction refers to the process or ability of reducing or minimizing the intensity and discomfort caused by excessive brightness or glare of light.

UVR (Ultra Violet Rejected)

UV radiation is a type of electromagnetic radiation emitted by the sun and is invisible to the human eye. UVR is the amount of UV rays stopped from entering interior space. Wavelength for UV in the solar spectrum is in the range 100 to 380 nm.

Relevance to the consumer: This is a very important factor in the purchase of window films. Excessive UV rays is the most dangerous part of the solar spectrum for human health. It is one of the causes of cataract and skin cancer. UV ray is also the biggest factor in damage to drapes, carpets & furniture. UV rays are also the biggest factor in damaging drapes, carpets and furniture through fading or discoloration.

TSER (Total Solar Energy Rejected)

The total solar energy rejected refers to the amount of solar energy that is prevented from entering a space or building by a specific material designed to reduce solar heat gain.

This is not the actual measurement of heat ingress into the building

Cosmo Sunshield: Redefining Excellence in Window Films

Welcome to Cosmo Sunshield, a business of Cosmo First, where we revolutionize window films with a blend of innovation, style, and sustainability. With over four decades of industry leadership, our premium window films have become integral to architecture and automotive design.



Up to 95%
IR Heat Rejection



Up to 10% Saving on
electricity bill



Over 99%
UV Protection



Glare Reduction



Safety & Security

Enjoy Comfort and Savings:

Our window films reduce solar heat and glare while blocking over 99% of UV rays, enhancing comfort and energy efficiency in homes, cars and commercial spaces.

Unrivaled Expertise:

In speciality films, our top-notch expertise defines our commitment to perfection and continuous innovation in every product.

Environmental Responsibility:

We prioritize sustainability by using energy-saving window films that provide protection from the sun, contributing to a greener and safer future.

Setting a new benchmark in window films. Embrace the fusion of quality and innovation.

ULTRA COOL SERIES

Nano Ceramic Films

Explore the Ultra Cool Series from Cosmo Sunshield Window Films—a revolutionary range blending style and functionality for superior performance in any environment. Designed to be WiFi-friendly, these films ensure uninterrupted connectivity while enhancing energy efficiency, reducing heat buildup, and lowering cooling costs.



BENEFITS:



High
IRR



Sun UV
Protection



Higher Energy
Efficiency



Glare
Reduction



High
Longevity



Low
Reflectivity

APPLICATIONS:



Residential
Buildings



Commercial
Spaces



Office
Buildings



Railways, and
Marine

CS-650-AC-7090
2Ply 1.5Mil

SOLAR PROPERTIES

ULTRA COOL SERIES

Visible Light Transmission	70%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	90%
Total Solar Energy Rejected	49%
Glare Reduction	19%
Shading Coefficient	0.62
SHGC(G-Value)	0.55

CS-650-CT-8065
1Ply 1.5Mil

SOLAR PROPERTIES

ULTRA COOL SERIES

Visible Light Transmission	83%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	65%
Total Solar Energy Rejected	32%
Glare Reduction	8%
Shading Coefficient	0.77
SHGC(G-Value)	0.68

CS-650-AC-7465
1Ply 1.5Mil

SOLAR PROPERTIES

ULTRA COOL SERIES

Visible Light Transmission	74%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	65%
Total Solar Energy Rejected	37%
Glare Reduction	27%
Shading Coefficient	0.71
SHGC(G-Value)	0.63

CS-501-PAGP-5045
2Ply 1.5Mil

SOLAR PROPERTIES

ULTRA COOL SERIES

Visible Light Transmission	50%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	45%
Total Solar Energy Rejected	41%
Glare Reduction	50%
Shading Coefficient	0.66
SHGC(G-Value)	0.59

CS-601-PACGP-5095
2Ply 1.5Mil

SOLAR PROPERTIES

ULTRA COOL SERIES

Visible Light Transmission	57%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	92%
Total Solar Energy Rejected	52%
Glare Reduction	37%
Shading Coefficient	0.54
SHGC(G-Value)	0.48

CS-650-PAC-5075
2Ply 1.5Mil

SOLAR PROPERTIES

ULTRA COOL SERIES

Visible Light Transmission	54%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	75%
Total Solar Energy Rejected	46%
Glare Reduction	44%
Shading Coefficient	0.61
SHGC(G-Value)	0.55

RAINBOW LUSTER SERIES

Reflective Films

Cosmo Sunshield

BENEFITS:



Enhanced
daytime privacy



Enhances
aesthetic appeal



Resistant to
fading



Blocks more
than 99%
of harmful
UV radiation



Up to 10%
savings on
energy bills



Reduces
daytime
glare indoors



Blocks solar
heat to
boost comfort

APPLICATIONS:



Residential
Buildings



Commercial
Spaces



Office
Buildings



Railways, and
Marine

CS-422-SR-SL-3070
2Ply 2Mil

SOLAR PROPERTIES	Rainbow Luster Series
Visible Light Transmission	28%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	72%
Total Solar Energy Rejected	57%
Glare Reduction	67%
Shading Coefficient	0.48
SHGC(G-Value)	0.43

CS-422-SR-SL-1085
2Ply 2Mil

SOLAR PROPERTIES	Rainbow Luster Series
Visible Light Transmission	9%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	85%
Total Solar Energy Rejected	71%
Glare Reduction	89%
Shading Coefficient	0.32
SHGC(G-Value)	0.29

CS-401-PR-SL-3595
2Ply 2Mil

SOLAR PROPERTIES

Rainbow Luster Series

Visible Light Transmission	35%
Ultraviolet Rejected	>99%
Infra Red Heat Rejected	91%
Total Solar Energy Rejected	60%
Glare Reduction	61%
Shading Coefficient	0.45
SHGC(G-Value)	0.40



Our Premium Product Range

Sun Protection Films <

Safety Films <

Privacy Films <



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