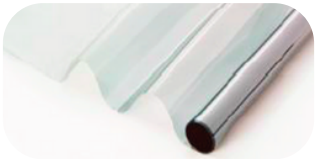
SFI S70 PHOTOCHROMIC FILM

The SFI S70 Photochromic Film is tinted in response to light, not temperature. The film blocks nearly 100% of harmful UV radiation and approximately 85% of IR radiation.



Most indoor heat comes from the absorption of sunlight, while emission plays a smaller role. The key heat-carrying wavelengths are UVA (315 to 400 nm), the only UV band that reaches the Earth and contributes about 5 to 10 percent of solar heat; visible light (400 to 700 nm), which contributes around 40 to 45 percent when absorbed; and infrared radiation (700 nm to 1 mm), particularly near-infrared (700 to 2500 nm), which delivers roughly 45 to 50 percent and is the primary source of indoor solar heating.

Installation of the Self-Tinting Solar Film is quite easy, no need for electricity. It is activated by the amount of UV exposure. It is perfect for Architecture and Automotive applications.

The photochromic film will get darker when exposed to sunlight, particularly the UV radiation, and when the sunlight decreases, the photochromic film will return to its original transparent state. A glass with photochromic film could lower the temperature by 12°C degrees (i.e from 104F degrees to 82.4F degrees)

Block UV	✓
Block UR	✓
Tinting	✓
Mirroring	

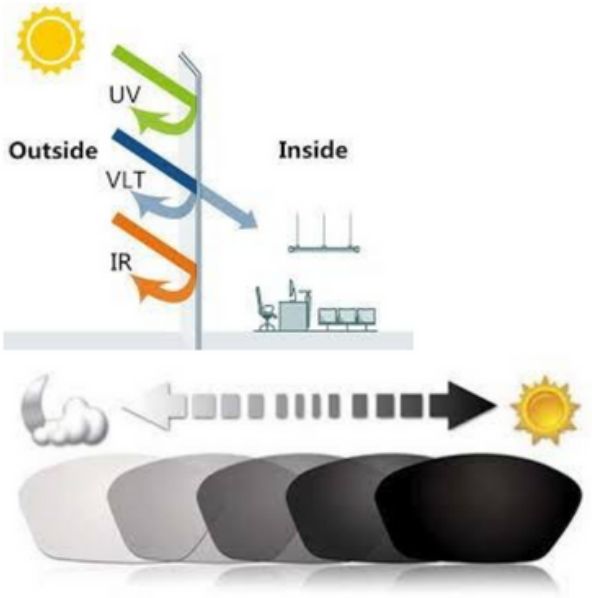
FILM VERSIONS

- Self-Adhesive to Stick on Existing Glass
- Lamination type for EVA based glass lamination

SPECIFICATIONS

- Darken when exposed to sunlight
- Block UV 99%
- Block IR 85%
- No electricity
- Different VLT ranges
- Colors: bluish

ILLUSTRATION



SPECIFICATIONS

Format

Item	Adhesive	Lamination
Format	Adhesive	Lamination
Type	Nano Ceramic	Nano Ceramic
Thickness	3mil	2.5mil
Color	BLUE	GREY
Hardness	>2H	>2H

Solar Data

Item	Adhesive	Lamination
VLT	75% -25%	75% -25%
IRR	85%	85%
UV	99%	99%
TSER	44-75%	44-75%
SHGC	0.47	0.55
Transmission Time	< 1 min	< 1 min