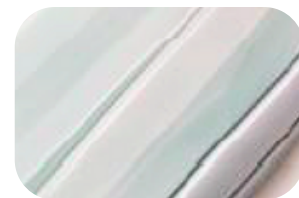


SFI PHOTOCROMIC FILM —

FAÇADE



For the first time ever, we are proud to introduce the Self-Tinting Solar Film that is tinted based on LIGHT and not as exposure to temperature. The film blocks 99% of the UV harmful light and 85% of the IR.

Most indoor heat comes from absorption of sunlight, while emission plays a smaller role. The key heat-carrying wavelengths are: UVA (315–400 nm), the only UV band reaching Earth, contributing ~5–10% of solar heat; visible light (400–700 nm), adding ~40–45% when absorbed; and infrared (700 nm–1 mm), especially near-IR (700–2500 nm), which delivers ~45–50% and is the main 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)

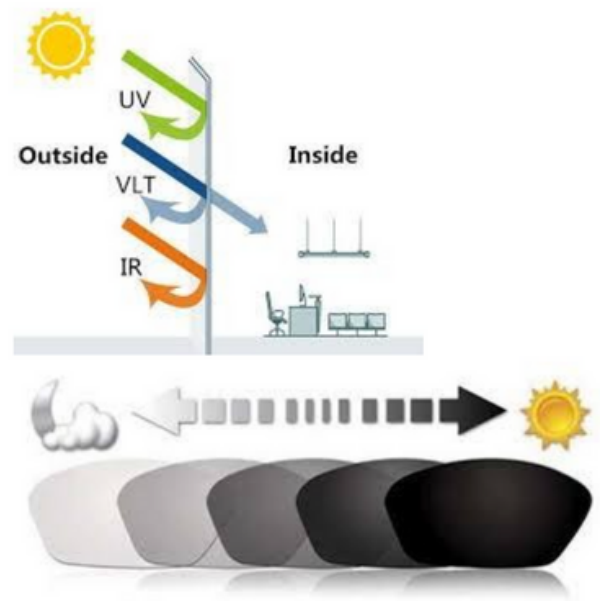
FILM VERSIONS

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

Block UV	✓
Block UR	✓
Tinting	✓
Mirroring	

SPECIFICATIONS

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



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