

# SFI Black-Silver Window Film

The SFI Black-Silver film delivers high energy efficiency, reduces glare, provides privacy, and enhances the aesthetics of a property. Its combination of radiation blocking, tinting, and external mirroring achieves 85 to 90 percent heat rejection.



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



## ADVANTAGES



**Energy Efficiency**  
Reduce cooling costs by blocking heat



**UV Protection**  
Protect furnishings from fading and UV Rays damage



**Glare Reduction**  
Create a glare-free environment



**Privacy**  
Allow privacy during the day

Block UV	✓
Block UR	✓
Tinting	✓
Mirroring	✓

## SPECIFICATIONS

Color	Thickness	VLT	IRR	UVR	TSER	Warranty	Size
Black-Silver	2 mil	11%	67%	99%	88%	7 yrs	1.52*30m