Smart Films
INTERNATIONAL

SFI Black-Silver VLT10



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 85–90% 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 main UV band that reaches the Earth and contributes approximately 5–10% of solar heat; visible light (400 to 700 nm), which contributes about 40–45% when absorbed; and infrared radiation (700 nm to 1 mm), particularly near-infrared (700 to 2500 nm), which accounts for roughly 45–50% 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 damage

Glare Reduction
Create a glare-free environment

Privacy
Allow privacy during the day

Block UV	✓
Block IR	✓
Tinting	✓
Mirroring	✓

SPECIFICATIONS

Color	Thickness	VLT	IRR	UVR	TSER	Warranty	Size
Black-Silver	2 mil (51 µm)	11%	67%	99%	88%	7 years	59" × 100 ft (1500 mm × 30 m)