

Obsidian Series



Description:

"Improving comfort and blocking ultraviolet (UV) rays to reduce fading of vehicle interiors are hallmarks of 3M marine window films. 3M™ Window Film Obsidian Series delivers lasting comfort and performance at an affordable price due to 3M's Patented Infuse Technology."*

Key Features:

- The Obsidian Series provides better durability, strong heat rejection, low reflectivity and protection from ultraviolet (UV) rays, thereby enabling you to stay cooler.
- Non-metallized film won't corrode or interfere with cell, GPS 2-way radio or broadband signals
- Low interior and exterior reflectivity lets you enjoy the views from inside, while maintaining an attractive look from outside
- 2-mil thickness with high performance adhesive
- Limited lifetime manufacturer backed marine warranty



Specifications	OB50	OB35	OB30	OB25	OB15	OB5
Total Solar Energy Rejected (TSER)	28%	33%	36%	38%	40%	44%
Visible Light Transmittance (VLT)	63%	45%	38%	30%	22%	8%
Exterior Visible Reflectivity	6%	5%	5%	5%	5%	4%
Interior Visible Reflectivity	7%	6%	6%	5%	5%	5%
Sun Glare Reduction	29%	49%	57%	67%	75%	91%
UV Rays Blocked (both UV-A & UV-B)	>99%	>99%	>99%	99%	>99%	>99%
IRR Blocked (900-1,000nm)	8%	8%	8%	9%	9%	9%
IRER (heat) Blocked (780-2,500nm)	25%	25%	25%	25%	25%	25%

Notes:

Data is comparable to current marine industry method using a clear 89% VLT glass.

Will not interfere with cell phones, GPS systems or satellite radio.

IRR - IR Rejected over 900 – 1,000 nm. Film with liner measurement

IRER – The percent of solar infrared energy rejection over the wavelength range from 780 – 2,500 nm. IRER takes into account the transmitted and absorbed IR energy that will be reradiated into a boat. Film is applied to glass