



*Crystal clear heat control technology.*



Vortex is an almost invisible shield of window film that protects you, your home or your building's interior from the sun's damaging heat and harmful UV Rays. Featuring the finest in nano-crystal ceramic technology, Vortex provides excellent Ultra Violet protection and selectively controls heat producing Infra Red radiation while preserving maximum natural indoor light with enhanced visual optics.

The supreme clarity of Vortex will boost the performance of existing clear or tinted glass without making any noticeable change to the appearance of your windows. Enjoy uninterrupted two-way viewing through glass with 50% less solar heat and total UV protection for improved fading control that will help prolong the life of your valuable interior furnishings or display window merchandise.

Vortex features a metal-free, signal friendly construction that will not compromise your Wi-Fi signal, mobile phone or radio reception. It is a durable, fade and corrosion resistant window film that is perfectly suited for Australia's harsh coastal environment. Exclusively made with the highest quality components and adhesives, Vortex can be installed without the need for special edge sealing treatments. Vortex is fully backed by a comprehensive warranty offering many years of performance and protection.

*Vortex – spectrally selective, crystal clear heat control technology.*





### Vortex Features

Prestigious spectrally selective construction  
 Featuring nano-crystal ceramic technology  
 Provides an invisible solar protective shield  
 Filtering InfraRed & Ultra Violet radiation  
 Maintains total two-way vision, inside & out  
 Optically clear, preserves natural room light  
 Perfect solution for store display windows  
 Strong solar heat rejection, up to 51%<sup>TSER</sup>



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### Vortex Benefits

Helps lower yearly energy costs  
 Selectively filters InfraRed energy  
 Preserves day and night time views  
 Corrosion resistant, ideal for coastal areas  
 Warranty does not require edge sealing  
 Protects against harmful UV Radiation  
 Reduces fading of internal furnishings  
 Available in a matching safety film option  
 Makes glass more shatter resistant  
 Scratch resistant & easy to clean  
 Lifetime Residential Warranty



## Architectural Window Film Performance Data

Product Code	Adhesive*	Film Color Description	Film Gauge (mil)	Solar Energy Reflected (T.S.E.R.)	Visible Light Transmitted	Visible Light Reflected Int. / Ext.	Solar Energy Reflected	Solar Energy Transmitted	Solar Energy Absorbed	Shading Co-Efficient (s.c.)	Winter U-Value (W/M <sup>2</sup> K)	Heat Gain Co-Efficient (S.H.G.C.)	Emissivity Room Side	Luminous Efficacy	Visible Glare Reduction	Ultra Violet Protection	Daytime Privacy Rating	NIR Blocking at 1025nm
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IR70	PS	Clear Ocean	2.0	51%	69%	8% / 8%	8%	34%	58%	0.57	5.93	0.49	0.72	1.21	24%	99%	Zero	92%
IR80	PS	Clear Sky	2.0	42%	78%	9% / 9%	8%	45%	47%	0.67	5.92	0.58	0.83	1.15	14%	99%	Zero	81%

(4mil) 100 Micron Safety Film Option

s4IR75	HPS	Clear IR Safety	4.0	42%	74%	9% / 9%	7%	44%	49%	0.68	6.03	0.58	0.82	1.09	17%	99%	Zero	82%
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Product performance data based on window film applied to 3mm (1/8") glass. Values are representative of typical production runs and are subject to normal manufacturing tolerances within industry standards. Architectural Performance Data 2021 Edition.

[www.UltraGard.com.au](http://www.UltraGard.com.au)