



3M Scotchtint™ Product Information

	Total Energy Rejected	Shading Coefficient	Solar Energy Absorbed	Visible Light Transmitted	V/L Reflected Exterior	V/L Reflected Interior	Glare Reduction	UV Blocked	Emissivity	U Value	Heat Gain Reduction	Heat Loss Reduction
CS 5%	58%	0.48	75.5%	7%	5%		91%	99%	0.84	1.09	49%	0%
CS 20%	52%	0.55	65.6%	16%	5%		82%	99%	0.84	1.09	41%	0%
CS 35%	39%	0.70	46.9%	38%	6%		57%	99%	0.84	1.09	26%	0%
CS 50%	33%	0.77	37.5%	51%	7%		42%	99%	0.84	1.09	18%	0%

Explanation of Properties

1. **Total Energy Rejected:** The percentage of the total solar energy that the film/glazing blocks
2. **Shading Coefficient:** A ratio that describes the film/glazing performance over the entire solar spectrum. The lower the value the greater the films shading effect
3. **Solar Energy Absorbed:** This is a ratio of the solar energy that is absorbed by the window and converted to heat in the window to the total solar energy impinging on the window surface.
4. **Visible Light Transmitted:** Percentage of visible light allowed to pass through the film/glazing
5. **Visible Light Reflected:** Percentage of visible light reflected from the film/glazing surface
6. **Glare Reduction:** The percentage reduction in glare of the filmed glazing when compared to the same un-filmed glazing. Related to visible light transmission
7. **UV Blocked:** Percentage of total UV radiation blocked by film/glazing
8. **Emissivity:** Is a measure of a film/glazing ability to absorb and radiate energy
9. **U-value:** Describes the amount of heat energy that is conducted through the film/glazing
10. **Heat gain Reduction:** The percentage reduction of solar energy that is allowed through the film and glazing when compared to the same un-filmed glazing system
11. **Heat Loss Reduction:** The Percentage of heat energy that is prevented from conducting out through a filmed glazing system when compared to the same un-filmed glazing system