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Interior Side

### Benefits and selection criteria

- Rejects up to 44% of solar energy, helping reduce heat build-up and energy costs
- Shields >99% of UV radiation, helping to reduce fading of valuables, fabrics and furnishings\*\*
- Optically clear with advanced nano-ceramic infrared ray reducing technology
- Used where a combination of extremely low visible reflectance, high light transmission, and substantial reduction in solar infrared transmission are needed



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Exterior Side

## Performance Data

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorptance	% Visible Light Transmittance	% Visible Reflectance (exterior)	% Visible Reflectance (interior)	Winter U-value	Shading Coefficient	% Ultraviolet Ray Protection (wavelengths 300-380nm)	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Rejected	Light-to-Solar Heat Gain Ratio (LSG)	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
Clear Glass 1/4" (6mm) single pane	77	7	16	88	8	8	1.03	0.94	38	0.84	0.82	19	1.07	-	-	-
Clear Glass 1/4" (6mm) dual pane	61	11	28	79	14	14	0.47	0.81	54	0.84	0.70	30	1.13	-	-	-
AIR80 BL SR HPR 1/4" (6mm) clear single pane	39	6	55	76	8	8	1.05	0.65	>99	0.89	0.56	44	1.36	32	-2	14
AIR80 BL SR HPR 1/4" (6mm) clear dual pane	32	11	57	68	14	13	0.48	0.70	>99	0.89	0.61	39	1.11	13	-2	14

The solar performance data reported for LLumar architectural window films was captured using the National Fenestration Rating Council's (NFRC) standard guidelines for window film solar performance measurement. All safety and performance data has been measured in accordance with ASTM, ASHRAE, AIMCAL and ANSI standards using NFRC methodology with Lawrence Berkeley National Lab's WINDOW Fenestration Analysis Software. Reported values are taken from representative product samples and are subject to normal manufacturing variances. Actual performance will vary based on a number of factors, including glass type and properties.