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Interior Side

## Benefits and selection criteria

- + Rejects up to 89% of solar energy, reducing heat build-up and energy costs
- + Exterior installation provides protection for hard to reach locations
- + Blocks >99% of ultraviolet rays\*, helping to protect furnishings by reducing premature fading
- + One-way privacy with low interior reflection allows improved vision to the outside while preserving privacy
- + Reduces glare and eye fatigue
- + Manufacturer's limited warranty includes five year glass breakage and three year seal failure warranty†

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\*Wavelengths 300-380nm. †Certain restrictions apply; see authorized dealer for warranty details. © 2016 Eastman Chemical Company. VISTA™, the VISTA® logo, LLumar® and the LLumar® logo are trademarks of Eastman Chemical Company or one of its wholly owned subsidiaries. As used herein, ® denotes registered trademark status in the U.S. only. Printed in U.S.A. (05/16) SP1058



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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	% UV Ray Protection (wavelengths 300-380nm)	Emissivity	Solar Heat Gain Coefficient	% Total Solar Energy Reflected	Light-to-Solar Heat Gain Ratio (LSG)	% Summer Solar Heat Gain Reduction	% Winter Heat Loss Reduction	% Glare Reduction
Clear Glass 1/8" (3mm) single pane	83	8	9	90	8	8	1.03	1.00	29	0.84	0.86	14	1.05	-	-	-
VXA14 ER HPR 1/8" (3mm) clear single pane	7	60	33	10	59	25	1.04	0.20	>99	0.74	0.17	83	0.59	80	0	89
Clear Glass 1/8" (3mm) dual pane	70	13	17	81	15	15	0.48	0.88	44	0.84	0.76	24	1.07	-	-	-
VXA14 ER HPR 1/8" (3mm) clear dual pane	6	60	34	9	59	28	0.48	0.14	>99	0.74	0.12	88	0.75	84	0	89
Clear Glass 1/4" (6mm) single pane	77	7	16	88	8	8	1.03	0.94	38	0.84	0.82	18	1.07	-	-	-
VXA14 ER HPR 1/4" (6mm) clear single pane	7	60	33	9	59	24	1.02	0.19	>99	0.74	0.17	83	0.53	79	1	90
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	-	-	-
VXA14 ER HPR 1/4" (6mm) clear dual pane	5	60	35	8	59	27	0.47	0.13	>99	0.74	0.11	89	0.73	84	0	90

The solar performance data reported for Vista by 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.