

Site

Private Residence

Location

Racho Santa Fe, California

Window Film

Dayview V45 SR CDF

SCL SR PS4 (Clear)

Product Series

Neutral Series

Safety & Security Series



SITUATION

Judy Levine is an interior designer who specializes in elegant and detailed design projects. This holds true for the magnificent home Judy designed and the one in which she and her family reside.

The Levine estate includes a main residence, pool house, and multi-paned miniature playhouse. The 521 French paned windows of the main house were shielded with a combination of electric blinds and draperies which made it impossible for her to enjoy the very views of the property, and exposed precious furnishing to damaging sunlight. For when she did open up the blinds and drapes, it became much too warm making exorbitant demands of the air conditioning, the sun's glare militated against the view and ultraviolet light helped to cause fading.

The problem with the glass in the 144 square-foot stone and slate playhouse was not one of solar control but rather of the dangers inherent in stained glass windows. The stained glass gives the playhouse a special colorful charm but clearly presented a risk for boisterous children at play. "I wanted to protect our grandchildren from the dangers of broken glass," said Mrs. Levine."

SOLUTION

"As a designer I find my clients are always concerned about protecting their expensive fabric and furnishings, and I recommend Vista™ to them regularly. But, I am also familiar with the additional capabilities of high-tech window films, like safety, and that is another reason why we had Vista installed on our own residence," said Mrs. Levine. After an analysis of the problem, her solar control window film expert recommended the installation of Vista™ by LLumar® (formerly UVShield®) Dayview V45 on the windows of the main residence and the pool house. Mrs. Levine stated, "The film was professionally installed, quickly, without mess and without the need to interrupt my normal day-to-day activities. The film is neutral in appearance and virtually invisible from both sides of the window. It's really changed our lives for the better."

Dayview enabled Judy to make optimum use of the outdoor views afforded, while helping reduce the sun's glare by 49% and total solar absorbance by 44%. The film gives the appearance of expensive treated glass at a fraction of the cost.

Clear security film that did not alter the color scheme was installed on each of the twelve French windows in the playhouse. The security film is a laminated film of polyester and coatings bonded by a unique adhesive system that can drastically reduce damage and injury from broken window glass. The film provides optical clarity without distortion or a yellow, cloudy or frosted shadow. A scratch-resistant surface assures trouble-free maintenance with most conventional window cleaners, including those with ammonia. The film also blocks more than 99 percent of ultraviolet rays, helping protect against premature fading."

RESULT

Thanks to Vista this designer and her family can feel secure about the glass when they enjoy this special playhouse together.



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 280-380nm)	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	83	8	9	90	8	8	1.03	1.00	29	0.84	0.86	14	1.05	-	-	-
Neutral Series																
Dayview V45 SR CDF	42	14	44	46	15	13	1.07	0.64	>99	0.89	0.55	45	0.84	36	-3	49
Safety & Security Series																
SCL SR PS4 (Clear)	82	10	8	88	10	10	1.05	0.97	94	0.86	0.84	16	1.05	2	-1	2

EASTMAN

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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 as measured on single pane, 1/8 inch (3 mm), clear glass. 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. *Films do not eliminate fading—they reduce it. UV rays and heat are contributing factors to fading but other factors exist. For further information see LLumar.com/download-library. ©2008, revised 2016 Eastman Chemical Company. VISTA™, the VISTA® logo, LLumar®, the LLumar® logo and Enerlogic® 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. (11/16) SP1130