

Site

Private Residence

Location

Bondville, Vermont

Window Film

Crystal Elegance V58 SR CDF

Product Series

Neutral Series



SITUATION

Gale Youngworth, ASID, of Youngworth Design, Upper Montclair, New Jersey, and President of American Society Interior Designers, New Jersey Chapter, is highly regarded as an authority on interior design and window treatments. She was retained recently to design the interior of a magnificent new chalet nestled in the famed ski-country of Vermont. Dramatic mountain and countryside vistas are provided throughout the nearly five thousand square foot home by many large framed glass windows. At the heart of the home is an outstanding Great Room with its south-facing windows focused on the scenic Stratton Mountains. A vaulted 25' ceiling, floor-to-ceiling fireplace of local grey stone, red birch flooring, precious oriental rugs, valuable leather sofas and original art pieces by famed local artists, complete the room's grandeur.

As a designer, Gale creates interiors that express her clients' taste and enhance their lifestyle. She always showcases the furnishings while ensuring, to the best of her ability, that the furnishings are of an enduring quality. Sunlight in a home is the essence of being, yet it is the harbinger of fading and the deterioration of wood flooring, fabrics and furnishings. Gale knew the sunlight had to be controlled without spoiling the views. And she knew how to do it!

SOLUTION

"With all my clients, from the very start I recommend that solar control window film be installed to help maintain the pristine quality of the initial design -- the vibrant color of the furnishings, fabrics, wood floorings and art pieces that make up the look," says Youngworth. The local Vista™ by LLumar® dealer was contacted and a neutral film Vista™ by LLumar® Crystal Elegance was selected for all the windows in the house.

Vista Crystal Elegance blocks more than 99 percent of ultraviolet rays, helping protect against premature fading.* The film also cut down heat gain from the sun by more than a quarter. And this protection and comfort was achieved without sacrificing the magnificent views.

RESULT

With the interior completed, the client is comfortable in the knowledge that the design is protected from the sun's depredations and the views are unimpaired. Moreover, no one can see the virtually transparent film on the windows -- it is an invisible protector.



Performance Data

	% Total Solar Transmittance	% Total Solar Reflectance	% Total Solar Absorbance	% 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																
Crystal Elegance V58 SR CDF	55	10	35	60	11	9	1.07	0.76	>99	0.90	0.66	34	0.91	23	-3	33

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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. ©2004, 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) SP1140