

Site

Private Residence
and Designer Studio

Location

Canton, Massachusetts

Window Film

Dayview V45 SR CDF

Product Series

Neutral Series



SITUATION

When Tom Wedell and Nancy Skolos, a husband and wife team of graphic designers, created their magnificent 4,000 square-foot home and studio, they looked for the very latest in building techniques to achieve an environment that glows with natural daylight. They brought together the virtues of Vista® Window Film and Kalwall® Wall Systems.

SOLUTION

Vista™ by LLumar® Dayview Window Film is installed on all sunlit windows to reject 45% of total solar energy entering the building through the windows, reduce light transmission by 54% and block more than 99 percent of ultraviolet rays, helping protect against premature fading.*

Kalwall Wall Systems, exterior and interior, are an integral part of the Wedell-Skolos home. Kalwall is a high-tech building element whose principal constituent is "sandwich" panels formed by bonding fiberglass translucent faces to a core of 'I' beams. The Kalwall Corporation leads the world in insulating, diffuse light-transmitting panel technology.

RESULT

Vista window film combined with Kalwall® panels lightens the open concept living, dining, and kitchen areas of the home. Vista protected windows in combination with translucent panels, protect interior furnishings, help to conserve energy, and block less desirable outdoor scenery while focusing attention on carefully composed views of the landscaped grounds through the windows. "The glare-free, ultraviolet-protected balanced daylight is a joy to live and work in," commented Tom Wendell.

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																
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

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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) SP1144