CASE STUDY: Protection For Doctor's Office

VISTA® WINDOW FILM | LLumar®

Site
Ophthalmologist's Office

Location
Paramus, New Jersey

Window Film
Soft Horizons V33
Dayview V45

Product Series
Neutral Series

SITUATION

Dr. Douglas F. Liva, M.D., is a prominent ophthalmologist who is in private practice in Paramus, New Jersey. After earning a Harvard Bachelor of Arts degree, he trained at the University of Miami School of Medicine and has served a long term appointment to the Valley Hospital in Ridgewood, New Jersey. For four consecutive years, he has been awarded the prestigious American Medical Association Physician Recognition Award.

Over the years Dr. Liva has become increasingly aware of the damage to eyes that continual contact with ultraviolet light causes. "Chronic exposure to ultraviolet radiation has been linked to the development of cataracts and age-related macular degeneration. And just because you're indoors or in your car does not mean you're fully protected. Ultraviolet light is still transmitted through glass," the doctor commented in a television interview on the dangers of ultraviolet ray exposure.

SOLUTION

His concern for his patients led him to install Vista™ by LLumar® window film designed to help protect against damaging ultraviolet A and B rays. The film was fitted to all the windows and glass doors which provide his office, surgical suite, viewing room, and waiting rooms with a light airy ambience. The high-tech solar control window film blocks more than 99 percent of ultraviolet rays from penetrating glass. Vista™ Soft Horizons V33 and Dayview V45 films were installed on the twenty-nine large (four feet by eight feet in dimension) windows and doors to give the ophthalmologist's office the protection that he, his staff, and his patients should surely receive.

Highly transparent retrofit films were professionally applied on the inside of the glass. Vista is compatible with all single and double pane (thermal) windows of any shape or size, normally found in today's homes. Films are a complex laminate of polyester and metallized coatings, with an exclusive, clear, distortion free (CDF) adhesive system and a special scratch-resistant coating built in that allows for easy maintenance.

RESULT

"It is comforting to know that my patients are protected from the damaging rays of the sun," says Dr. Douglas Liva. "Furthermore because the films are virtually invisible when installed, my patients never even know that the film is on the job!"

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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																
Soft Horizons V33 SR CDF	31	19	50	34	21	18	1.05	0.53	>99	0.86	0.46	54	0.74	47	-1	62
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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