CASE STUDY: Comfort in the Texas sun

Building
Private Residence

Location
Hurst, Texas, USA

Window Film
DR15 SR CDF (Warm Gray)

Type
Solar Control Film

SITUATION

Frank Pittman's Dallas-area home boasts soaring windows in the formal living area and along its south side, overlooking the pool and manicured yard. But over 20 years, the blazing Texan sun turned those windows into a source of discomfort for Frank and his family. Blinding glare, oppressive heat, and furniture-fading UV rays were a near-constant presence. Shutting the drapes would hide his view and block out the natural light, so he went in search of a smarter solution and found LLumar® window film.

SOLUTION

Local LLumar dealer Ron Boully, of Lone Star Window Tinting, helped transform Frank's home into the relaxing retreat it was designed to be. After a simple phone call and in-home consultation, Frank decided on LLumar DR-15 SR CDF window film for the living room as well as the south-facing windows.

RESULT

LLumar window film addressed the heat and glare while preserving the abundant and desirable natural light. Rooms feel cooler, so Frank and his family spend more time in them. He's not worried about his furnishings fading prematurely. And he hasn't had to sacrifice his view. Frank and his family couldn't be happier with the reasonable cost, easy installation and professional appearance. When asked what he would have done differently, Frank said he only wishes he would have installed LLumar window film years earlier.

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	–	–	–
Dual Reflective Series	Dual-Reflective films are highly reflective on the exterior; lower on the interior, which helps provide clear day and night views. Traditionally specified on commercial buildings, Dual-Reflective films are also popular for sunbelt residential applications. They are scratch-resistant, shield 99% of ultraviolet rays, and provide excellent heat rejection.															
DR15 SR CDF (Warm Gray)	18	38	44	17	37	13	0.92	0.34	99	0.62	0.30	70	0.57	65	12	81

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