



CASE STUDY: An amazing investment for club members

Building

River Place Country Club

Location

Austin, Texas, USA

Window Film

R-20 SR CDF (Silver)

Type

Solar Control Film



SITUATION

The palatial windows at the River Place Country Club looked magnificent, but the afternoon heat and glare they allowed into the club's dining room and pro shop made the rooms uncomfortable for members, guests and staff. Even worse, the facility's energy bill had soared as club managers tried to offset the heat with more and more air conditioning.

SOLUTION

After seeking advice from the local LLumar dealer in Austin, Director of Engineering Sam Blayney turned to his local government for financial help. The city, he found, was willing to offer the club significant rebates for improving its energy efficiency. Blayney proceeded to have LLumar R-20 SR CDF window film installed in order to help reduce the club's energy usage, increase its comfort, and enhance its beauty.

RESULT

"I was simply amazed," Blayney said. "My entire investment for installing LLumar window film would break even in less than five years' time. They look beautiful, and our clients are far more comfortable dining and utilizing our facility than ever before." Members and staff alike have commented to Blayney about the wonderfully comfortable environment created by the LLumar window film.

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 Reflected	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	-	-	-
Reflective Series	Reflective films feature reflectance on both interiors and exteriors for superior reduction in summer cooling costs and heat retention in winter. Providing a high level of glare and heat control, they are scratch-resistant, shield >99% of ultraviolet rays, and provide excellent heat rejection.															
R-20 SR CDF (Silver)	11	57	32	15	62	63	0.90	0.22	>99	0.58	0.20	80	0.75	77	13	83

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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. © 2016 Eastman Chemical Company. LLumar® and the LLumar logo 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. (06/16) L1220