

CASE STUDY: Restoring a classic façade

Building

Omni Austin Hotel

Location

Austin, Texas, USA

Window Film

R-15G SR CDF (Gray)

Type

Solar Control Film



SITUATION

The Omni Austin is an upscale hotel five minutes from downtown Austin. A high-rise building set in a “green” urban setting, its lavishly furnished rooms feature handsome European-style furnishings and sophisticated amenities. The centerpiece of the hotel façade is a multi-floor glass parapet wall that fronts the main guest elevator. The existing curtain wall film was badly discolored, bubbled and distorted, and had become an eyesore.

SOLUTION

The local LLumar® dealer presented to the Omni’s general manager the aesthetic attributes and durability of LLumar R-15G SR CDF. The window film provides optical clarity without distortion and has a patented scratch-resistant surface that assures trouble-free maintenance with most conventional methods of window cleaning.

RESULT

Beyond giving the parapet wall a look that is in total harmony with the rest of the hotel, the film adds to the comfort of the elevator riders by reducing sun glare 93% and lowering summer solar heat gain up to 73%. The Omni has restored its original classic façade to the delight of the hotel management and the community. With LLumar’s limited warranty, there are no more worries about film failure.

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-15G SR CDF (Gray)	7	36	57	6	13	62	0.92	0.26	99	0.62	0.23	77	0.26	73	12	93

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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) L1481