

CASE STUDY: A perfect fit for the hotel pool

Building

Fremont Marriott Hotel

Location

Fremont, California, USA

Window Film

NRM FSQ SR HPR (Squares)

Type

Decorative Film



SITUATION

Set at the gateway to Silicon Valley at the southern tip of San Francisco Bay, the Fremont Marriott features an elegant and accommodating atmosphere. The hotel's luxurious indoor swimming pool, however, is set between a parking area on one side and the health club on the other. Encircled by a transparent glass wall, guests on both sides could see in, giving swimmers and sunbathers very little privacy.

SOLUTION

Management was considering the possibility of etching the glass, until they talked with a local LLumar window film dealer and found a better solution: a glass enhancement film product that could easily be retrofitted to the glass, at a fraction of the cost, and could easily be removed and replaced when needed. With less cost, less risk, and no harsh chemicals to contend with, they opted for the LLumar NRM FSQ SR HPR decorative window film.

RESULT

The hotel installed the designer frosted film and immediately realized additional benefits: the window film reduces visible light transmittance by more than 30%, and it adds to the structural integrity of the glass, providing added safety by helping to hold shattered glass in place in the event of an impact. Swimmers and sunbathers at the Fremont Marriott pool now enjoy more attractive surroundings, with more privacy.

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	-	-	-
Pattern Series Privacy Series films come in a wide range of colors and are ideal for commercial interior glazing applications to achieve privacy or interior design goals.																
NRM FSQ SR HPR (Squares)	68	16	16	69	20	20	1.03	0.87	99	0.84	0.77	23	0.9	13	0	23

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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) L1539