

## CASE STUDY: Decorative film better than etching

### Building

Hyatt Regency Resort and Spa

### Location

Waikiki Beach, Hawaii, USA

### Window Film

NRM-PS2 (Frost)

### Type

Decorative Film



## SITUATION

As they exited the main elevators to the spa, guests at Waikiki Beach's luxurious Hyatt Regency Resort were treated to a scenic view through a massive, 20-foot tall window. Unfortunately, this scenic view featured neither beach nor sea, but the facility's less-than-exotic maintenance equipment. Resort management feared that the only viable option to block this unsightly panorama from spa users was to employ costly, chemical-laden glass etching on the window.

## SOLUTION

The resort's chief engineer contacted the local LLumar dealer, who suggested an inexpensive and less risky alternative to etching: retrofitting the glass with a LLumar decorative window film that can be easily removed and replaced when desired. The dealer was able to custom design an intricate leaf pattern into a decorative frosted film with LLumar NRM-PS2, harmonizing it beautifully with the spa's interior decor.

## RESULT

Today, a wall of bright, artistic glass welcomes all Hyatt Regency guests who exit the elevators into the spa area. Gone are the unsightly views of mechanical equipment, which previously vexed resort management. Now the window beautifully complements the spa's décor. And at whatever future time resort management decides to update the décor, the glass-enhancement film can easily be removed and redesigned to accommodate.

## 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 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	-	-	-
Frost Series <span style="float: right;">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.</span>																
NRM-PS2 (Frost)	69	20	11	75	25	22	1.02	0.84	98	0.84	0.73	27	1.03	16	1	17