



CASE STUDY: Privacy achieved with ambiance intact

Building

Georgia Power Company

Location

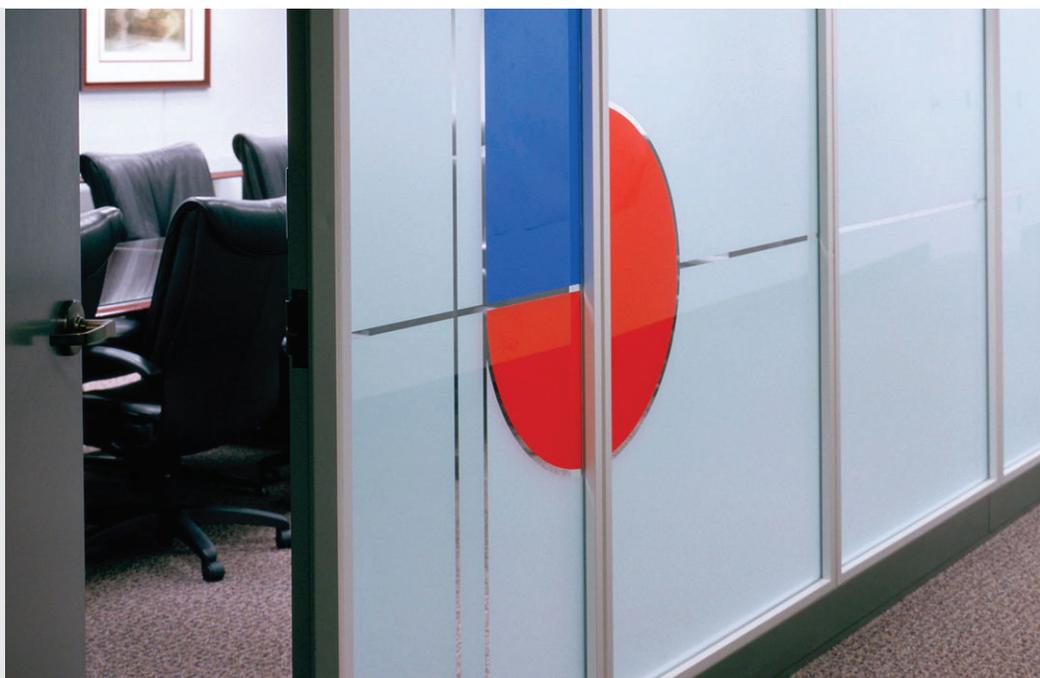
Atlanta, Georgia, USA

Window Film

Frost Series
Specialty Series

Type

Decorative Film



SITUATION

The Atlanta headquarters of Georgia Power Company is housed in a Frank Lloyd Wright-inspired complex that embraces a multidimensional mix of glass cubicles, conference rooms, executive suites, and common spaces. While the open ambiance had its advantages, greater privacy was needed. In the past, such privacy could only have been achieved through the cumbersome process of glass etching or through the installation of unsightly interior blinds.

SOLUTION

The facilities management team at Georgia Power took a different approach. They consulted with a local solar control window film specialist who recommended the installation of LLumar® decorative film. The film came in a wide range of colors, patterns, designs, and textures—easily customized to create striking contemporary designs. The film also created privacy for the offices' interior glass spaces.

RESULT

Using the LLumar PrecisionCut® System, a high-tech, digital cutting process, the LLumar® dealer was able to achieve the privacy that Georgia Power needed with the creative installation of a variety of films featuring colorful, frosted and patterned designs. Best of all, this newly created privacy did not interfere in any way with the light and spacious ambiance of the modern office, nor did Georgia Power incur the expense and inconvenience of glass etching.

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	-	-	-
Specialty Series	Specialty Series products are recommended for interior applications and are scratch-resistant films in a basic color palette inspiring a wide range of custom design solutions.															
Blue SR HPR (Blue)	61	8	31	28	8	8	1.03	0.8	98	0.84	0.7	30	0.4	15	0	68
Specialty Series	Specialty Series products are recommended for interior applications and are scratch-resistant films in a basic color palette inspiring a wide range of custom design solutions.															
Red SR HPR (Red)	59	8	33	26	8	8	1.03	0.79	98	0.84	0.69	31	0.38	16	0	70
Frost Series	Privacy Series films come in a wide range of colors and are specified in commercial applications where low reflectivity is desired. These films are ideal for commercial interior glazing applications to achieve privacy or interior design goals.															
NRM-PS2 (Frost)	69	20	11	75	25	22	1.02	0.84	98	0.84	0.73	27	1.03	16	1	17

EASTMAN

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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) L1531