

Site

House of Crypton®

Location

New York, New York

Window Film

Nuance V48 SR CDF

Product Series

Dual-Reflective Series



SITUATION

Crypton® Super Fabric was introduced several years ago as a unique durable fabric that withstands virtually any abuse. These extraordinary fabrics are engineered to offer breathability, stain resistance, water repellency, and antimicrobial properties with surprising elegance. Crypton® is now used by thousands of worldwide hotels, restaurants, and institutions, and is fast moving into residential markets across the country.

When the principals of Hi-Tex Inc. looked for an ideal site to showcase this revolutionary new fabric and technology, they wanted a special environment that could exhibit their fabrics in a variety of applications. The "living laboratory" is located on the East Side of midtown Manhattan and showcases their line in both traditional and unconventional ways. In addition to wall fabrics, ceiling panels, and curtains, Crypton® fabrics were also developed into custom area rugs and upholstered onto new and vintage furniture pieces. Expansive windows in every room, covered with Crypton® sheer fabrics, effectively display the fabrics' interplay with both artificial and natural light. And therein lies the challenge. Uncontrolled sunlight streaming through the windows is the one element these super fabrics cannot resist.

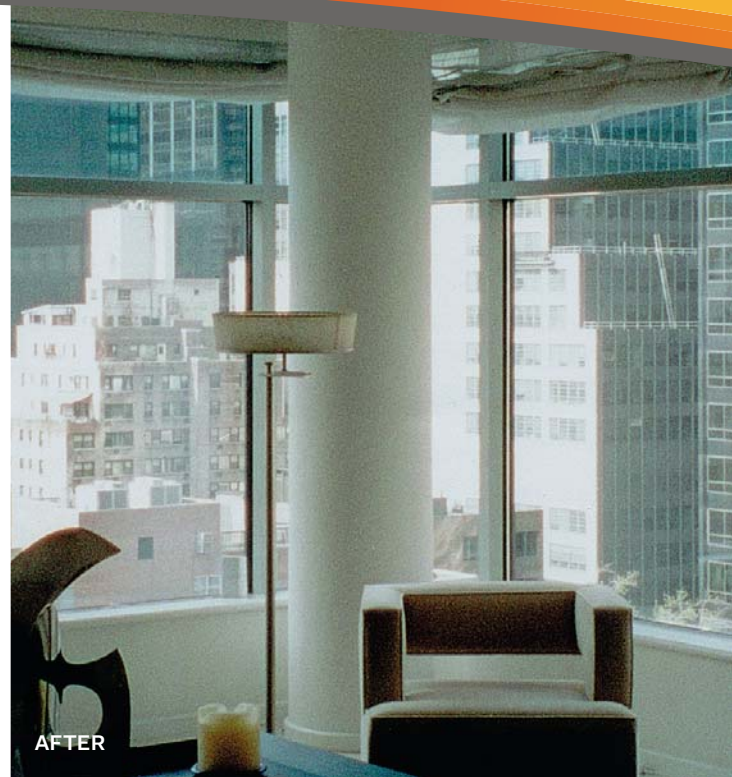
SOLUTION

Accordingly, a key factor in the showcasing of Crypton® fabrics became the installation of solar control window film. Vista™ by LLumar® Nuance, a dual-reflective film, was chosen because it provides high solar rejection and blocks more than 99 percent of damaging ultraviolet rays, helping protect against premature fading.*

RESULT

The installation of Vista® Nuance makes it possible for Crypton® fabrics to be displayed in their full glory without fear of fading, at the same time allowing clear twenty-four hour a day views of New York through huge windows.

The House of Crypton® will now always be a sanctuary for designers, fabric producers, and distributors to enjoy the fabrics in full color in a spectacular living environment.



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	-	-	-
Dual-Reflective Series																
Nuance V48 SR CDF	39	15	46	46	16	11	1.04	0.60	>99	0.84	0.53	47	0.87	38	0	49

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. ©2008, revised 2016 Eastman Chemical Company. VISTA™, the VISTA® logo, LLumar®, the LLumar® logo and Enerlogic® 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. (11/16) SP1127