Energy producer is also energy conserver





SITUATION: Exxon USA headquarters in Houston, a 30-year-old, 43-story building with 6,200 windows, was retrofitted with high-tech, solar control LLumar Window Film. A detailed analysis of the building's environmental characteristics led to the fitting of LLumar Solar Control Film N-1020 Neutral. The installation of LLumar N-1020 Window Film (all 150,000 square feet - 13,935 square meters) provided energy savings and improved exterior aesthetics.

SOLUTION: LLumar Solar Control Window Film is a laminate of strong polyester and a LLumalloy metal alloy coating infused with ultraviolet inhibitors, bonded by a proprietary clear, distortion-free adhesive and finished with a patented scratchresistant (SR) finish. High-tech solar control films are manufactured using a state-of-the-art sputtering process which applies metal alloys to the base film. The durable, scratch-resistant, crystal clear coating provides carefree maintenance with most conventional methods of window cleaning.

RESULTS: Llumar blocks out 99% of the damaging UV rays that fade office interiors. It also deflects harsh, uncomfortable glare, thereby improving comfort for office occupants. The installation is expected to create sufficient energy savings to pay for itself in three years, and the appearance of the building is improved by its modern, uniform, gunmetal, shining exterior.

Exxon USA Headquarters Location Houston, Texas

Building

N-1020 SR CDF (Neutral)

Type

Solar Control Film

"The installation is expected to create sufficient energy savings to pay for itself in three years."

0.65

63

Performance Data

Neutral Series

N-1020 SR CDF (Neutral)

Neutral films reduce glare, provide moderate heat rejection and are specified where a soft, neutral appearance is desired. These films are made with sputtered technology, creating a film that allows for very uniform visible light transmission. Neutral films are scratch-resistant and shield 99% of UV rays.

1.03

21

73