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Technews

Window film saves energy, keeps Stena Line cool

An advanced solar control window film from Bekaert is helping conserve energy in Stena Line's fleet of ships. With the installation of Bekaert advanced solar control window film, Stena Line is able to minimize fuel consumption, improve comfort for passengers and employees, and significantly lower air conditioning use.

The window film is also environmentally friendly. Lars-Erik Hellring, project manager for Energy Saving Project, explains the positive effects of the product. "As one of the largest ferry operators in the world, we realize that it is our social responsibility to do everything possible to protect the environment through energy conservation techniques," said Hellring. "One of the immediate and highly efficient solutions to meet our needs was Bekaert window film, which has been successfully installed on the windows in nine of our ships. We are anticipating the rest of our fleet to be equipped in the coming months.

According to tests by ECIS (Energy Consultants in Sweden), the measured surrounding air temperature decreases up to six degrees C/42 degrees F in a cabin with Bekaert window film installed, compared to a similar cabin without film installed, depending on the weather conditions over the year. The result is approximately 247,000kWh/year less air conditioning consump-



tion, which could equal fuel savings of 58 m³ /15,321 U.S. gal for one ship."

Bekaert window film was developed after years of research at development centers in San Diego, Calif., and Deerlijk, Belgium. By applying its sputter-coating technologies that uses gold, silver and various other alloys, Bekaert window film blocks 95% of infrared heat. This offers strong protection against glare, heat, hotspots and uneven temperature fluctuations, thus improving climate and energy efficiency.