

September Newsletter 2010

Energy Efficiency and Green Building Design are the leading force in today's architectural community. Following is an excerpt from an e-mail blitz done by SABIC INNOVATIVE PLASTICS

Lock In Future of Green Building Design With Energy-Saving, Aesthetically Pleasing Lexan* Thermoclear* Sheet

SABIC Innovative Plastics' robust, fast-growing portfolio of Lexan* Thermoclear* polycarbonate (PC) sheet systems are driving sustainable building designs through energy conservation and improved working/living environments. These lightweight, flame-retardant materials, available in monolithic and multiwall configurations, are used worldwide for roofing, cladding and glazing massive stadiums, hotels, and other impressive structures. SABIC Innovative Plastics' Lexan Thermoclear sheet products can help architects and designers succeed in the lucrative green building space and have potential to contribute to LEED (Leadership in Energy and Environmental Design) certification by providing natural light, optimizing energy performance, and utilizing recycled content.



Winning LEED Credits with Lexan Thermoclear Sheet

The LEED program is the most popular standard for green building and its silver, gold and platinum certifications are highly prized. Incorporating SABIC Innovative Plastics' Lexan Thermoclear sheet glazing, roofing and cladding solutions into the design may help builders win LEED credits (points counting toward certification) in several categories:

Sustainable Sites: Credit 8 – Light Pollution Reduction (1 point): Lexan Thermoclear SoftLite sheet, a new addition to SABIC Innovative Plastics' portfolio, offers light-diffusing characteristics that prevent direct-beam illumination from leaving the building interior. Also, opaque Lexan sheet and Lexan Thermoclear multiwall sheet can block up to 100 percent of light pollution.

Energy & Atmosphere: Credit 1 – Optimize Energy Performance (1 point each, up to 10 points): The X-wall structure of the SABIC Innovative Plastics' Lexan Thermoclear sheet creates additional air pockets between the exterior and interior of the building while enhancing strength and stiffness. This configuration helps the material deliver energy efficiency year round while transmitting diffused daylight.

Materials & Resources: Credits 4.1 and 4.2 – Recycled Content (1 point each): Lexan sheet may utilize different percentages of pre-consumer recycled content that can help builders to obtain these credits.

Indoor Environmental Quality: Credit 6.2 – Controllability of Systems (1 point): Lexan Solar Control IR sheet (monolithic and multiwall versions) can help reduce interior heat build-up by 25 percent, while increasing light transmission by as much as 60 percent compared to other glazing products. Credits 8.1 and 8.2 – Daylight & Views (1 point each): Lexan sheet for walls, curtainwalls and window replacement systems can easily integrate fixed and operable windows glazed with PC sheet for connection to the outdoors.

As always please contact us with any questions or concerns. Our top priority is our customers.

AmeriLux International

P: 888-602-4441

F: 920-336-9301

E: tech.service@ameriluxinternational.com