



## PPG Industries

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# News

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## Georgia Tech Solar Decathlon Home Features *Solarban 70XL* Glass by PPG

PITTSBURGH, Oct. 19, 2007 – Georgia Institute of Technology, a top finisher in the 2007 Solar Decathlon competition that ended today in Washington, D.C., used windows made from *Solarban 70XL* glass by PPG to brighten their home while limiting its solar heat gain. The windows were fabricated by OldCastle Glass.

Because of its transparent, proprietary coating, *Solarban 70XL* glass transmits 64 percent of the sun's natural light while blocking more than 70 percent of its heat energy, a combination of performance attributes that is unmatched in the architectural glass industry.



With its unprecedented ability to block heat and transmit light, *Solarban 70XL* glass is gaining favor among architects who practice environmentally sustainable design.

According to a recent study by an independent energy and environmental consulting firm, an eight-story, glass-walled building with *Solarban 70XL* glass can lower reduce its initial HVAC equipment cost by more than \$400,000 while producing annual energy savings of almost 13 percent, or \$40,000 to \$90,000, compared to

the same building glazed with dual-pane tinted glass.

The study also showed that the same building glazed with *Solarban 70XL* glass can reduce its cooling-related carbon emissions by 7,500 to 20,000 tons over its lifetime, depending on its location and the type of energy used to heat and cool the building.

The Solar Decathlon, sponsored by the U.S. Department of Energy, is a biennial event that joins 20 college and university teams in a competition to design, build and operate the most attractive and energy-efficient solar-powered house. The 2007 event took place October 12-20 on the National Mall. Georgia Tech finished in sixth place.

For more information about *Solarban 70XL* glass, visit [www.ppgideascape.com](http://www.ppgideascape.com) or call 1-888-PPG-IDEA.

### About PPG

Pittsburgh-based PPG is a global supplier of paints, coatings, chemicals, optical products, specialty materials, glass and fiber glass. The company employs more than 30,000 people and has 125 manufacturing facilities and equity affiliates in more than 20 countries. PPG shares are traded on the New York and Philadelphia stock exchanges (symbol: PPG). For more information, visit [www.ppg.com](http://www.ppg.com).

PPG Performance Glazings wins Western Pennsylvania Environmental Award - 2

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