

THE WESTIN GALLERIA, DALLAS

Architects: Omniplan, Dallas, TX
 PPG *IdeaScapes*™ Products: **Optigray 23 Glass**
 Glass Fabricator: Vitro America, Dallas, TX
 Glazing Contractor: TEPCO Contract Glazing, Dallas, TX

PROJECT OVERVIEW:

The Galleria, Dallas's largest mixed-use complex, is a 3.7 million-square-foot development located on 45 acres at the northeast corner of the LBJ Freeway and the Dallas Parkway. Recently, a 432-room Westin hotel attached to the development underwent an extensive renovation to improve its aesthetics and energy performance.

Joanna Hampton, AIA, LEED AP, Senior Associate for Dallas-based Omniplan Architects, was the project architect for the renovation. She said replacing the hotel's original 25-year-old glazing system was essential to accommodating an entirely new design scheme for the building. "As part of the redesign, the exterior balcony in each room was captured and made part of the interior space," Hampton explained. "As a result, the glazing line of the entire building was moved outward, creating a completely new exterior skin."

The glazing system also had to complement the new look of the hotel and fit into its high-style surroundings. The Galleria contains more than 200 upscale shops and restaurants, and over 34,000 square-feet of executive meeting space.

After mocking up the building with clear glass, the design team ultimately chose **Optigray 23 glass** by PPG for the refurbished exterior. Hampton was sold by its pleasing tint



Photo courtesy of Tonda Kirby, TEPCO

*The Westin Galleria, Dallas, was renovated with **Optigray 23 glass** by PPG to update its appearance to make the building more energy efficient.*

and ability to complement the overall finishes of the property. "The gray-tinted glass with a warm bronze undertone offered us the solution we were striving to achieve," she explained.

The hotel's location at the hub of two major freeways was another factor in the decision to specify **Optigray 23 glass**, as was its ability to combat Dallas's notorious heat and sunlight.

PPG *IdeaScapes*™ Profiles. *The Westin Galleria, Dallas.*

“During the glazing selection evaluation, we focused on both the noise barrier as well as energy performance,” Hampton explained. “Even though we didn’t calculate a specific savings target, energy improvement was certainly key.”

When coupled with clear glass in a standard one-inch insulating glass unit, **Optigray 23** glass has a solar heat gain coefficient of 0.29, which means it blocks 71 percent of the sun’s heat energy. That lowers cooling demand for the hotel and provides a more comfortable environment for guests as well.

Optigray 23 glass is part of a complete collection of renovation solutions from **PPG *IdeaScapes*** that includes energy-saving glass and a colorful array of durable, environmentally friendly coatings and paints. If you need to refurbish exterior metal, replace legacy glass for aesthetic or performance improvements or re-skin an entire building, **PPG *IdeaScapes*** has the products, people and expertise to get the job done.

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Photos courtesy of Tonda Kirby, TEPCO

Optigray 23 glass features a medium-gray tint with a warm bronze undertone that block more than 70 percent of the sun’s heat energy when used with clear glass in one-inch insulating glass unit.

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