



MOST
INNOVATIVE
RAILING
PROJECT OR
PRODUCT

Bridges@11th

HARTUNG GLASS INDUSTRIES, HARTUNG-GLASS.COM

RHUBY ARCHITECTURAL GLASS, RHUBY.COM

PHOTOS BY MICHAEL STEARNS, HYBRID3

HARTUNG
GLASS INDUSTRIES

The Bridges@11th project at the University District Apartments in Seattle features a glass railing with a custom kinetic wave pattern, fabricated in insulating glass units by Hartung Glass Industries. A silkscreened ceramic frit pattern moves like a wave on railing insulating glass units as the viewer walks, bikes or drives by. A vibrant printed glass pattern creates an illusion of motion as the viewer's angle and position change, according to Hartung officials.

"Bridges@11th is an upscale mixed-use development composed of three distinct buildings all connected by 'bridges' at their upper floors on an active block, with a high volume of both pedestrian and vehicular traffic," says Wynia, designer/owner for Rhuby Architectural Glass, rhuby.com, which supplied the design concept for the railing. "I have been



ONLINE: VIEW
A VIDEO OF THE
KINETIC GLASS
RAILING AT
GLASSMAGAZINE.
COM/JULY2016.

exploring kinetic patterns for decades and am intrigued by the dynamic effect of layering geometric patterns. This project presented a perfect opportunity for kinetic patterns that engage pedestrians as they stroll by.”

With the “Bridges” concept and name in mind, Wynia developed a moiré pattern that looks like the rolling motion of water, on layered glass. The two streams of water patterns flow in opposite directions to increase the viewer’s sense of fluid motion. “Glass is an ideal material to allude to water as its transparency was essential for creating this illusion,” says Wynia.

The insulating glass used for the railing consists of 1/4-inch clear, 3/4-inch airspace, 1/4-inch clear tempered custom patterns on surfaces 2 and 3. The glass is Azuria and Solargray from PPG Industries, ppgideascape.com.

“HARTUNG'S KINETIC WAVE WORKS REALLY WELL [IN THE VIDEO]. IT MAKES ME WANT TO DRIVE OUT THERE TO TAKE A LOOK AT IT!”

GMA Judge Rob Botman, general manager, Glassopolis, glassopolis.com.

“The overall thickness of the unit was 1 1/4-inch with a 3/4 inch air space, which is not a very common; however, the extra width is what helps create the illusion of movement,” says Carole Velez, sales representative for Hartung. “[Wynia] created a small mockup which our production team used as a reference to help make her vision a reality. It didn’t happen overnight. We

looked at a lot of options and it really took a concerted team effort.”

River City Metals manufactured the metal railing. Rhuby Architectural Glass designed and installed the glass railing. GGLO, gglo.com, served as the project architect; Walsh Construction, walsh-group.com, the general contractor; and Security Properties, securityproperties.com, the developer.