



CASE STUDY | Windows

Best in Green and Sustainable Building—It's a Perfect Ten

First and only LEED Platinum multifamily complex in Arlington County.

CATEGORY:

» Windows
» Multifamily

COMPANY:

Azon

PROJECT:

Ten at Clarendon

LOCATION:

Arlington, Virginia

DESIGN TEAM:

Bonstra | Haresign Architects

PRODUCT SPECS:

» Pour and debridge thermal barriers in Wojan products

www.azonintl.com

PHOTO CREDIT:

Exteriors: © Anice Hoachlander
Interior: © Judy Davis

CHALLENGE:

Developers of The Ten, at Clarendon, multifamily project located just across the Potomac River from the U.S. Green Building Council headquarters, in Arlington, Va., needed to meet the latest LEED requirements, particularly to satisfy Arlington County's Green Building Density Bonus Program, which established Incentives and financing for efficient buildings in Arlington, and would provide for expedited permitting for residential construction, as well as density bonuses for commercial development, and rebates for energy-efficient lighting retrofits.

INFLUENCE:

As a LEED Platinum certified apartment community, the Ten at Clarendon is endowed with holistic qualities to foster modern community making—especially as seen through the lenses of sustainable design. With design principles aimed at leaving a minimal environmental impact, the Ten is an example that other developers and communities can adapt for positive change in the comfort, lifestyle, and resiliency in multifamily dwellings. Its features would include:

- A green roof with access to a deck, raised-bed vegetable garden, lounge areas, and fitness center;
- Electric-car charging stations;
- Energy Star appliances, fixtures, lighting and programmable thermostats.

SOLUTION:

Not the least of these energy-efficient design elements would be efficient window systems. Featuring thermal components from Azon, systems from Wojan Window and Door, were specified. According to Rick Pagano, vice president of sales at

Wojan, the Ten at Clarendon incorporated horizontal sliders, and projected and fixed window units, which also required two separate high-performance finishes—bronze and charcoal.

Another unique component used was a 90-degree corner that allowed for cleaner and narrower sight lines. And per the client's request, limiting devices were incorporated to minimize opening. "Wojan is proud to have been a part of this project because it demonstrated our versatile product line and ability to adapt to special project requirements," says Pagano.

All Wojan products are AAMA rated for the most current performance standards, utilize dual-sealed insulated glass units, and most importantly, utilize Azo-Brader mechanical lock technology by Azon for the thermal barrier. These features collectively provide the end user with high-quality product and optimal thermal performance for the longevity of the materials.

The Ten was awarded the Best in Green (BIG) Multifamily Market Rate award by the National Assn. of Home Builders in 2019. Winners were chosen based on their innovative use of green features, aesthetics, functionality, amenities and high-performance certifications.

Featured in

ARCHITECTURAL
PRODUCTS