Environmental Statement

For more than three decades, Azon has helped customers reach their sustainability goals and expectations by offering energy-saving technology to the commercial window industry.

AZON

AZON SAVES ENERGY

Materials—sustainable by nature

Thermal barrier

Aluminum stands out as a favored choice in modern window framing for commercial buildings because of its high strength-to-weight ratio and its high resistance against corrosion, blast impacts, deflection and wind load—all factors critical in commercial applications.

Proven as a sustainable material, aluminum has the ability to be recycled indefinitely using less than 5 percent of the energy originally used to smelt the metal from bauxite.

The thermal barrier improves energy-saving performance while improving the structural and long-term durability of the fenestration unit compared to other materials. Extruders and window manufacturers that use the Azon pour and debridge polyurethane system rely on the company's quality control and service programs to ensure optimal polymer performance.

Warm-Light®

Warm-Light® warm-edge spacer for insulating glass combines the pleasing aesthetics of organic coated roll-formed aluminum with thermal barrier technology to improve thermal efficiency in any climate or condition. The result is reduced heating and cooling costs of a building while allowing for larger natural daylight openings in the building envelope—effectively lowering the dependence on the electricity used to illuminate interiors.

By combining the Azon thermal barrier technology in both the aluminum window frame and insulating glass unit, customers can expect a significant improvement in overall U-factor to ensure lower building heating and cooling costs and a dramatic reduction in condensation—an important attribute toward improved health, comfort and indoor air quality.

The aluminum in Warm-Light is comprised of 78 percent recycled content with a material advantage of complete recyclability at the end-of-use. Also, the process by which the aluminum is coated is now available in a high performance, environmentally compliant* polymer coating.

Operations

Azon provides comprehensive training and continuing education to all employees on the proper handling and management of materials used in production.

Chemical manufacturing processes utilize a closed-loop system to blend and transport raw materials. Azon manufacturing practices reduce the risk of human and environmental exposure to potentially harmful chemicals to ensure worker safety. The bulk containers Azon uses are specifically designed to work in conjunction with global standards and are recycled through a return service.

Azon supports the purchase and use of environmentally sensitive supplies, including those that have been recycled and re-manufactured.

The paper used in promotional materials are Forest Stewardship Council (FSC)-certified, meaning, from the forest to the printed paper, the handling of the operation followed responsible and sustainable green conservation methods.

[Endnotes] *Reduced water usage, less waste, less energy consumption and the highest EPA standards with a closed loop process and 98% reduction of volatile organic compounds leaving a smaller environmental footprint. Source: http://www.coilcoatinginstitute.org

Azon and LEED® Certification

Recycling

Scrap metals, such as steel and aluminum generated from the construction of Azon machinery and warm-edge spacer, are recycled locally.

Paper and cardboard used in our facilities are recycled through recovery initiatives, as are general office supplies.

All spent by-products generated in the production of thermal barrier polymers are high in fuel value where 100 percent of the materials are converted for use in energy-recovery efforts.

It is the purpose of Azon, through energy-saving products and manufacturing practices, to affect our world by demonstrating our goal for a sustainable and profitable future.

We back our commitment to upholding the highest quality, efficiency and sustainability standards by conforming to the ideals of international non-governmental organizations dedicated to ethical business practices and quality management.

The LEED® (*Leadership in Energy and Environmental Design*) Green Building Rating System™ is a voluntary, consensus-based national standard for developing high-performance, sustainable buildings.

The program was initiated by the U.S. Green Building Council, which is the nation's foremost coalition of leaders from across the building industry working to promote buildings that are environmentally responsible, profitable and healthy places to live and work.

The rating system qualifies building projects for LEED certification through the accumulation of credits earned from a rubric of six green building design categories: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality and Innovation & Design Process.

Though individual products are neither certified nor endorsed through the rating program, building products can contribute to earning performance points toward LEED certification.

LEED® contribution	Azon thermal barrier	Warm-Light® By Azon
Energy & Atmosphere		
EA Credit 1: Optimize Energy Performance (1-10 points; 2 points required)	√	√
Materials & Resources		
MR Credit 3.1: Materials Reuse, 5% (1 point)		√
MR Credit 3.2: Materials Reuse, 10% (1 point)		√
MR Credit 4.1: Recycled Content, 10% (post-consumer + 1/2 pre-consumer) (1 point)		√
MR Credit 4.2: Recycled Content, 20% (post-consumer + 1/2 pre-consumer) (1 point)		√
MR Credit 5.1: Regional Materials, 10% Extracted, Processed & Manufactured Regionally (1 point)	√	
MR Credit 5.2: Regional Materials, 20% Extracted, Processed & Manufactured Regionally (1 point)	√	
Indoor Environmental Quality		
EQ Credit 7.1: Thermal Comfort, Design (1 point)	√	√

*Credits are taken from the *Green Building Rating System For New Construction & Major Renovations Version 2.2.*

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ISO 9001:2000 Certification

CE standards certification

eco paper