



FOCUS ON **SUSTAINABILITY**

“A century old family business cannot thrive across the generations without a commitment to stewardship.”

- **Jake Marvin**, Chairman and CEO, The Marvin Companies

A GREENER FUTURE: INSIDE AND OUT

At our headquarters in northern Minnesota, the natural world isn't an abstract concept; it begins right outside our door and goes as far as the eye can see. Being green—really green—is our commitment to the environment, to the neighbors we employ, to our customers, and to their clients. But it's also a commitment to our future, because as a privately-held, family-owned company we're used to taking a long-term view, and we recognize that a serious commitment to green operation is just good business.

Look closely and you'll see sustainable goals in every aspect of our operations, from the products we sell to the processes we employ to the power we use. It's in the performance and long life of our products, in the lumber and other materials we buy, and in the way we build windows and doors. It's in the quality recycled materials we use and the recycling of our manufacturing by-product. And it's in the initiatives we support and the recognition we've received.

“Green” is everywhere these days. In many industries, if you can't say you're green you might as well not show up. But at Marvin, sustainability is more than just a slogan.



“We learned and teach sacrifice and savings today in order to invest in the future. This foundational commitment is reflected in how we treat our customers, use our capital, share our profits, preserve jobs in difficult times, and use materials and resources wisely and efficiently.”

- Jake Marvin

DESIGNED GREEN



Marvin offers FSC® certified products and SFI® certified products, sourcing wood from suppliers with environmentally sound forestry practices.

Marvin made-to-order windows and doors come in the industry's widest range of sizes, shapes, styles, and options.

Our windows and doors, available in wood and aluminum clad wood, provide excellent insulating qualities. Our extruded aluminum cladding satisfies the American Architectural Manufacturer's Association 2605-05 standard, the most rigorous standard for aluminum cladding. The combined properties of wood and extruded aluminum cladding provide the durability of a tough, low-maintenance exterior with the characteristic insulation and aesthetics of wood.

Our extruded aluminum is far stronger than the rolled aluminum used on many windows, and it is finished with 70 percent Kynar® 500 to resist fading, chipping, cracking, and chalking. All of our products are designed to resist wear and deterioration. They are easy to maintain and repair and can, with care, be expected to last for many years.

No matter what you order, you can count on meticulous craftsmanship, respect for the environment, durability and energy efficiency.

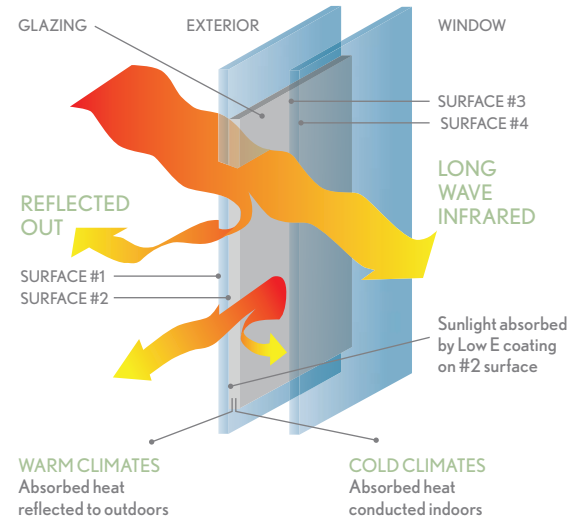
ENERGY SAVING WINDOWS AND DOORS FOR EVERY APPLICATION

The glass in Marvin windows and doors plays a critical role in saving energy in any climate.

- LoE³-366[®] glass, specifically designed for hot climates or areas with lots of sun exposure, has a lower Solar Heat Gain Coefficient (SHGC) than LoE² to reduce heat gain from the sun.
- LoE²-272[®] reflects heat back into the building in winter and reflects the sun's rays in summer to prevent heating and sun damage.
- LoE²-240[®] helps insulate in winter with an extremely low U-Factor, and cools in summer by allowing the passage of visible light while blocking most ultraviolet (UV) and near infrared (NIR) light.

High-R Tripane glass, designed for use in cold climates, features three layers of glass—two panes of Low E glass with a layer of clear glass between—for a low U-factor that helps keep costly heat from escaping. Many High-R Tripane-glazed units have U-Factors less than 0.25, and fixed or combination units can be lower than 0.20 without sacrificing visible light transmission. Many Marvin windows and doors meet or exceed today's more rigorous ENERGY STAR requirements. The wood interior of our clad-wood products adds to thermal efficiency.

Marvin products are available with a factory-applied prime coat to minimize on-site painting waste. Operating windows can be components of innovative ventilation designs and integrated with HVAC system designs for high performance buildings.



Low emissivity glass features a double metallic coating on the inside glass, which can reflect or absorb the sun's warmth to enhance either heating or cooling while reducing the effects of damaging UV rays.

BUILT GREEN

We take steps to eliminate wood waste including finger jointing and edge gluing to produce strong, engineered lengths of wood and significantly reduce the amount of manufacturing scrap.

In the course of our manufacturing operations, we continually strive to reduce waste. Each year we use 8,500 tons of packaging and logging waste to power the boiler and provide heat for our plant. We also sell 14,000 tons of wood shaving for use as animal bedding. We recycle 800 tons of aluminum, 300 tons of cardboard, 100 tons of plastic, and 90 tons of paper each year. We even recycle our truck tires for use in remolded rubber and asphalt additives. And we've installed a carbon absorption system that allows us to recycle thousands of gallons of solvent annually and a redesigned plumbing system that saves hundreds of gallons of water a day.

Equally important, we use quality recycled materials in manufacturing. Our extruded aluminum components typically contain 30-35 percent post-consumer recycled aluminum and 40 percent pre-consumer scrap. Some of our non-structural aluminum components can incorporate as much as 98 percent recycled material.

The Marvin family of companies
is dedicated to finding
innovative, collaborative, and
practical ways to continuously
improve the sustainability of
our products and processes.

Our engineered glass contains 20 percent pre-consumer recycled content. And, Marvin ships all products wrapped and cornered rather than fully cartoned to reduce packaging waste. Most of our packaging materials, including cardboard and plastic wrap, are fully recyclable. By recycling byproducts and reusing quality recycled materials in manufacturing, Marvin contributes to the reduction of demand on natural resources, to reduced use of energy, and to the reduction of waste sent to landfills.



WASTE REDUCTION IS A PRIMARY FOCUS.

We sell 14,000 tons of wood shaving for use as animal bedding.

Our extruded aluminum components typically contain 30-35 percent post-consumer recycled aluminum and 40 percent pre-consumer scrap.

Scrap wood packaging and timber processing materials are used to power our boilers to provide heat and humidification for our plant.

POWERED GREEN

Recycling our own scrap wood materials to produce heat and power for our operations cuts our plants' demands for energy. And, for the long-term, we strongly support the development of renewable energy. The power supplier serving 3 of our plants in Minnesota and North Dakota has wind energy equal to 33 percent of its customer load. We are proud to be leaders in the support of alternative energy sources, and we will continue to support the expanded use of renewable energy.

THINKING GREEN

Sustainability informs every aspect of our business. Our fleet is managed for fuel efficiency. Our trucks are maintained to reduce pollution and eliminate wasteful operation, and our routing is designed to optimize loading and eliminate unnecessary miles.

We also continue to explore new ways to reduce waste and increase efficiency. Internally our research and development operations are constantly looking for

new ways to make our products and processes more energy efficient. We have had a product analysis process in place for years to screen new materials for environmental impact prior to products entering our facilities.

Of course everything we know and everything we learn about green products and processes makes its way to our customers. Even applications that are not part of our standard product line can be explored through our Signature Services "If you think it, we can build it" approach to custom solutions.

Energy usage is a critical environmental issue and one that influences all of our operational choices.

A GREEN COMMITMENT YOU CAN TRUST

At Marvin, we are committed to the health of forests, not just forests where we are or forests that supply the materials we use, but worldwide. We support the preservation of old growth and ancient rain forests, and financially support and enable the mission of the Tropical Forest Foundation. We support forest management education programs.

LEED® CERTIFICATION

The U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) program is a green building rating system that recognizes projects that meet stringent standards of environmental and public health excellence. While individual building components themselves are not certified, they can contribute to LEED points awarded to a project as a whole. Marvin products can contribute significantly to the accumulation of credits needed for LEED certification.

A database program has been developed to generate Marvin product reports for customers seeking LEED certification data. Project-specific reports provide performance data for Energy & Atmosphere credits and break out recycled content by component weight, both in pounds and in percentage of total weight for Materials & Resources credits. This document can be included in LEED certification submissions.



Marvin offers SFI® certified products and FSC® certified products. We support our industry's Environmental Stewardship Statement of Beliefs. Wherever possible we use readily renewable pine in our manufacturing. And, at home, we contribute directly to the replacement of harvested trees by distributing thousands of free seedlings each year.



KEEPING AN EYE ON THE DETAILS

The power supplier serving 3 of our plants in Minnesota and North Dakota has wind energy equal to 33 percent of its customer load.

Our trucks are routed to optimize loading and eliminate unnecessary miles.

Materials and chemicals are carefully screened for environmental and safety impact before becoming part of our processes.

AWARDS & AFFILIATIONS

PROMOTING GREEN

We are committed supporters of green organizations and initiatives.

Our Participation:

- Membership in the United States Green Building Council (USGBC)
- Subscription to the Sustainable Forest Initiative
- Membership in the Tropical Forest Foundation
- Support of the Window & Door Manufacturers Association (WDMA) Green Task Force Statements of Beliefs
- Charter membership in the Efficient Windows Collaborative
- Partnership in the ENERGY STAR program
- Membership in the Forest Products Management and Development Institute of the University of Minnesota

RECOGNIZED GREEN

Marvin has been widely recognized for its commitment to the environment.

Our Awards:

- The Minnesota Governor's Award for Excellence in Waste and Pollution Prevention
- Designation as an honoree of the Minnesota Waste Wise Program
- A Greener North Dakota Award for the company's Grafton, North Dakota Plant
- Recognition of Marvin's Ripley, Tennessee plant as one of seven TP3 Performers by the Tennessee Pollution Prevention Partnership

GREEN PRACTICES

Our commitment to sustainability is not just talk, we walk the walk in both the products we create and how we operate.



OUR PRODUCTS

- ✓ High performance and thermal efficiency
- ✓ Designed for durability
- ✓ FSC® certified products or SFI® certified products available
- ✓ Recycled content in glass, aluminum and other components
- ✓ Engineered to create minimal wood scrap
- ✓ Reduced on-site waste
- ✓ Major components reusable or recyclable

OUR OPERATIONS

- ✓ Scrap wood used to heat plant; wind power provided by local power source
- ✓ Employ carbon absorption to recycle solvents
- ✓ Systems implemented in plants reduce lighting and conserve water
- ✓ Shipping and trucks managed for minimal environmental impact



A GREEN TODAY AND A GREENER TOMORROW

For up-to-date information on our continued commitment to green building, green manufacturing, and environmental initiatives, visit our website at marvin.com/green.

MARVIN.COM/GREEN

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Part #19980503