



from **MARVIN**
Windows and Doors

Built to perform:

The Ultrex[®] Advantage



The Ultrex Advantage

Unmatched Performance
Unbeatable Satisfaction

Ultrex® durability

Durable doesn't begin to describe how tough Ultrex is. Strong, stable, and amazingly resilient, Ultrex is possibly the perfect building material, creating windows and doors that leave other materials in the dust.

Made from pultruded fiberglass, Ultrex outperforms the competition on nearly every measure, resisting the ravages of heat, cold, time and pressure to provide the most worry-free windows and doors available today.

This patented material pioneered by Marvin has what it takes – from its durability and performance characteristics, to its first-to-market ingenuity – to create products of incomparable value.

Pair that with our 15 years of experience and Marvin's longstanding reputation for quality and craftsmanship, and the only answer is Integrity® from Marvin.

Pioneers in sustainability.

At Integrity®, sustainability is part of the manufacturing philosophy: make a product able to withstand the power of the great outdoors, while preserving the natural resources from which it was made.

- Ultrex® is made from silica sand, a safe and abundant natural resource.
- Ultrex requires 39% less energy to produce than vinyl.
- The Ultrex manufacturing facility fully complies with the 1990 Clean Air Act and has been designated as a Maximum Achievable Control Technology (MACT) facility as outlined by the Environmental Protection Agency (EPA).
- The insulated glass in our products contains 15% – 33% recycled content.
- Integrity offers ENERGY STAR qualified products.
- Even more green awards and information can be found at INTEGRITYWINDOWS.COM



8x stronger than vinyl



15+
YEARS
OF SUPERIOR
COMPOSITE
TECHNOLOGY



Built to perform.®

It's more than our tagline, it is our promise to you. Ultrex® is so resilient, it outperforms and outlasts vinyl and roll-form aluminum, time and time again. Strong yet light, Ultrex provides sturdy, reliable support from top to bottom, end to end. It's extremely low thermal expansion rate means Integrity® units remain tightly sealed, resisting leaks and stress cracks.

Windows and doors made with Ultrex won't get scratched, dinged or marred as easily as vinyl. Our patented, mechanically bonded acrylic finish is up to three times thicker than competitive finishes, and provides superior resistance to UV degradation – even on darker colors.

Our 15+ years of experience in the composite fenestration industry allow us to optimize Ultrex components for the ultimate in performance and fit, including detailed radius profiles and clean, balanced sightlines.

- Choose from a full line of durable, energy-efficient windows and doors in both standard and special sizes.
- Low-maintenance, high-durability Ultrex has low-conductivity, offers unmatched strength and is corrosion resistant.
- You're backed by a fully transferable 10/20 warranty (10 year warranty against manufacturing defects; 20 year warranty against glass seal failure).
- Integrity offers ENERGY STAR qualified products.

Stays true.

Windows and doors made with Ultrex® stay square, true and beautiful over the long term. This is especially so when compared to vinyl, which can distort in extreme heat or streak and crack in fluctuating temperatures. Ultrex has a low thermal expansion rate and expands at virtually the same rate as glass, maintaining a tight seal and resisting leaks, seal failures or stress cracks that can compromise energy efficiency and long-term performance.

Ultrex also stands up mightily to rain, wind, heat and time, looking beautiful and performing well long after other window and door materials have lost their luster.

**833%
LESS
EXPANSION
THAN VINYL**



EXPANSION MEASUREMENT SHORTER IS BETTER

Comparison of expansion and contraction



STIFFNESS MEASUREMENT LONGER IS BETTER

Average Modulus



Strength.

Ultrex® is as strong as steel and eight times stronger than vinyl. In fact, pultruded fiberglass is such a solid, long-lasting material that it's been trusted for years in bridge construction. One square inch of Ultrex can hold the weight of eleven cars – that's a total of 34,000 pounds. Ultrex is so tough, we have to use diamond-edge blades just to cut it to size.

But what does exceptional Ultrex strength mean for you? Windows and doors that offer superior performance and durability for many years to come.

**THE
STRENGTH
OF
STEEL**

FINISH COLORS

A patented pultrusion process featuring proprietary technologies creates a thick acrylic exterior finish that offers superior durability and aesthetics.

- Stone White
- Cashmere
- Pebble Gray
- Bronze
- Evergreen
- Ebony

**8X
MORE RIGID
THAN VINYL**



Stability.

The strength of Ultrex also translates into superior stability. Ultrex is 8x more rigid than vinyl. So issues of instability and misalignment that can complicate installation of vinyl products – and their long-term performance – are not a concern with Integrity® windows and doors.

The exceptional strength and stability of Ultrex eases installation and establishes a secure, long-lasting fit that stays square and true.

Pultruded fiberglass is made of thin strands of strong glass cables that are saturated with specially compounded resins to create a remarkably durable material.

The patented acrylic factory finish is up to 3x thicker than competitive finishes and provides superior resistance to UV degradation.

The patented and advanced thin wall construction technologies of Ultrex allow for detailed profiles and component optimization.



Integrity Windows and Doors made with Ultrex

Durable, low-maintenance, strong, stable and tough. Everything you want your home to be, and everything that Ultrex delivers.

- Strong yet lightweight Ultrex offers amazing durability, plus it's corrosion resistant and low maintenance.
- Patented Ultrex premium finish offers superior performance reducing chalking, fading, scratching, UV degradation and worries.
- Ultrex has an extremely low thermal expansion rate, so Integrity windows and doors can withstand temperature extremes while maintaining a tight seal.
- 15+ years of proven experience have led to superior tooling capabilities, meaning all Ultrex parts are optimized for performance requirements.
- Benefit from exceptional fit and finish, including detailed profiles, radius profiles and clean, balanced sightlines.
- Integrity offers ENERGY STAR qualified products.
- Choose from a full line of windows and doors in both standard and special sizes.

For more information,
visit [INTEGRITYWINDOWS.COM/
ULTREXADVANTAGE](http://INTEGRITYWINDOWS.COM/ULTREXADVANTAGE)



Built to perform.®

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