



LightBasic™

Value-Engineered Translucent Curtainwall

Featuring **AcrylitGC®** Face Sheet Technology



LightBasic™

WHEN YOUR BUDGET DEMANDS A **LOW-COST YET DURABLE** TRANSLUCENT DAYLIGHTING SOLUTION



LightBasic™ translucent curtainwall from Major Industries is the perfect balance of economy and performance, delivering outstanding sun control at an economical price.

What makes LightBasic™ curtainwall different from other translucent panel systems? LightBasic™ offers a simplified framing system, acrylic-based Acrylit^{GC} face sheet and limited warranties. It's a unique blend of performance and price that's aimed at budget-conscious buyers who demand an economical translucent daylighting system that will hold up under a variety of conditions.



Perfectly suited for office spaces, schools, libraries, manufacturing centers and other locations where glare-free light is instrumental to occupant performance and comfort, LightBasic™ translucent panel wall systems are a good fit for both new and retrofit construction, and can be custom-designed to fit your specific needs and requirements.

LightBasic™ FEATURES & BENEFITS

- Custom designed and **COST-EFFECTIVE** for new and retrofit applications
- Available in **CURTAINWALL** configurations only
- Acrylit_{GC} 100% acrylic face sheet for **ECONOMY AND DURABILITY**
- Systems available in 2 3/4" thick panels, with panel sizes **up to 5' x 20'**
- Classic grid layouts include In-line Shoji, Staggered Shoji and Tuckerman patterns in sizes from 6"x 6" up to 12" x 24"
- Two available **ENERGY-SAVING** translucent insulation options can be added to LightBasic™ systems for enhanced thermal performance.
- Available in **two standard sheet colors** – White and Crystal
- **5 YEAR COLOR CHANGE** and **10 YEAR FIBERBLOOM** warranties standard

ANATOMY OF A LightBasic™ TRANSLUCENT PANEL

Strongest panel adhesive available ensures structural integrity.

Our aluminum framing and grid core provide one of the highest strength-to-weight ratios available for daylighting applications.

Economical Acrylit_{GC} face sheet is made from 100% acrylic resin and features a 5 year color change and 10 year fiberbloom warranty.



ACRYLIT_{GC} FACE SHEET TECHNOLOGY OVERVIEW

LightBasic™ comes standard with an economical Acrylit_{GC} face sheet. Created by Glasteel, the second largest manufacturer of FRP products in North America, Acrylit_{GC} features 100% pure acrylic resin, fiberglass reinforcement, and Gel Coat protection on both sides to help resist weathering and fiberbloom as well as to provide uniform diffusion of natural light.

The unique formulation of Acrylit_{GC} also helps to prevent light transmission loss caused by UV damage and color change.

Acrylit_{GC} is unlike traditional acrylic-based daylighting materials in that its fiberglass reinforcement provides excellent strength and impact characteristics. Even so, Acrylit_{GC} has exceptional flatness, allowing panels to wash clean with little or no maintenance.

LightBasic™ curtainwall systems offer two Acrylit_{GC} color options - White and Crystal - as well as a standard 5 year color change and 10 year fiberbloom warranty, ensuring worry-free performance for years to come.



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COMPARING LightBasic™ TO OTHER TRANSLUCENT SYSTEMS

Major Industries offers wall systems with both polyester based face sheet technology (Guardian 275® with Ultimate Series™ face sheet) and acrylic based face sheet technology (LightBasic™ with AcrylitGC face sheet). Each is aimed at a specific price point and each has a different life cycle.

LightBasic™ with AcrylitGC is a value-engineered curtainwall system that emphasizes economy. It lacks the built-in water management systems and industry-best warranties featured in Guardian 275® systems, but what you get instead is a simplified framing system and budget-oriented feature set that make LightBasic™ a durable and cost-effective option for tight budgets.

While LightBasic™ systems meet all the same health and safety standards as our Guardian 275® systems, they feature fewer options. LightBasic™ systems feature White and Crystal sheet color options and fewer insulation choices when compared to Guardian 275® systems. This allows us to keep costs down and provide you with a streamlined, reliable curtainwall system that doesn't stretch the bottom line.

To determine which system is right for your next project, review the chart below. It details some of the unique characteristics of each system. If you're not sure which is right for your project, please contact Major Industries at 888-759-2678 and speak to a member of our sales team. We'll work with you to find a system that fits your needs and budget.



LightBasic™ / Guardian 275® Comparison

	LightBasic™	Guardian 275®
Allows for glare-free natural light	YES	YES
Basic sealants and gasketing	YES	UPGRADED
High-performance sealants and gasketing	NO	YES
Built-in, water management in framing	NO	YES
5 yr color/10 yr fiberbloom warranties	YES	UPGRADED
10 or 20 color/25 yr fiberbloom warranties	NO	YES
Possible LEED® credit contribution	YES	YES
1", 1 1/2" and 4" Systems also available	NO	YES
Sheet Color Options Beyond White/Crystal	NO	YES
100% Acrylic AcrylitGC® face sheet	YES	NO
Ultimate Series™ FRP face sheet	NO	YES
Up to 5' x 20' panel sizes	YES	YES
Insulation Options Available	YES-LIMITED	YES-MULTIPLE

LightBasic™ & SUSTAINABLE DESIGN

IMPROVE THE QUALITY OF YOUR ENVIRONMENT – BOTH INSIDE AND OUT

Green design is more than a concept – it's a significant shift toward utilizing environmentally-conscious design ideas and products.

LightBasic™ systems are an energy-saving and cost-effective green design tool that provides occupants with the beauty and benefits of glare-free natural light. By reducing the need for energy-hungry artificial lighting, as well as controlling heat loss and gain, LightBasic™ can optimize energy performance and reduce HVAC loads.



**Images shown are for illustrative purposes only. Systems shown may vary.*

Because of their environmentally-friendly design qualities, including post-consumer and pre-consumer recycled content and energy-saving insulation options, LightBasic™ systems provide LEED® credit contribution opportunities for both new construction and existing buildings.

For additional information on green building, sustainable design and LEED® opportunities, visit us online at www.majorskylights.com.

PERFORMANCE DATA & TESTING

Tested for life and safety - meets standards for structural daylighting and long-term weathering performance.

Sheet Properties

Tensile Strength and Modulus
Flexural Strength and Modulus
Burning Brand (Panel)
Weathering
Compression Strength and Modulus
U Values
Haze Factor
Barcol Hardness
% Elongation
Impact
Smoke Development
Smoke Density and Flame Spread
Flame Ignition
Abrasion
Air Infiltration
Structural Performance
Water Penetration
Strength Test – Traverse Load
Color Change
Delta E
Diffused Light Transmission
Haze Measurements
Taber Abrasion
Solar Transmittance and Reflectance

ASTM Standard

D638
D790
E108-00
D2244
D695
C236
D1003
D2583
D638
UL972
D635
E84
D1929
D4060
E283-99
E330-02
E331-00
E72
G155
D2244
D1494-97
D1003-00
D4060
E424-71

*Major Industries reserves the right to improve products without notice as the result of ongoing R&D and/or third party compliance.

www.majorskylights.com - 888-759-2678

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- Available in two standard sheet colors – White and Crystal
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Major Industries provides nationwide continuing education to Architects with its certified "box lunch" training sessions.

