



GE Structured Products

LEXAN[®] MR10 Sheet

UV- and Abrasion-Resistant
Vertical Glazing



LEXAN[®] XL10 Sheet

UV-Resistant Sloped
and Overhead Glazing



LEXAN[®] LEXGARD[®] Laminates

Bullet-Resistant and
Forced-Entry Security Glazing



LEXAN[®] 9034 Sheet

High-Impact Resistance
for Protective Glazing



LEXAN[®] THERMOCLEAR[®]

Multi-Wall Translucent
Thermal Glazing



Sheet



XL10 Sheet



MR10 Sheet



LEXGARD Laminates



LEXAN Thermoclear Sheet

Makes an impact. Takes an impact.

Virtually unbreakable LEXAN sheet products provide an unmatched combination of visual appeal, durability and excellent light transmission.

- Features 250 times the impact strength of glass,* and 30 times the impact of acrylic.*
- 40% better thermal efficiency than glass.*
- Considerably lower maintenance costs than glass and acrylic.*
- Wide selection of grades and gauges includes 9034 uncoated; XL10 UV resistant sheet; MR10 UV/abrasion-sheet; LEXGARD® laminates, the premier security glazing product on the market today; and LEXAN Thermoclear sheet for thermally efficient overhead glazing.
- Dade County-approved material.*
- Most grades are CC-1 flame rated.*

Unsurpassed design flexibility.

LEXAN sheet products are available in a variety of handsome tints and can be cold-formed to tight radii or thermo-formed to complex shapes. For superior visual appeal, consider LEXAN sheet products for pool enclosures, atriums, skylights, barrel vaults, covered walkways, sound barriers and office partitions.

The superior properties, durability and performance of these materials are your assurance of quality results.

To optimize your use of GE Plastics sheet products, the GE Technical Support Team offers a range of technical assistance throughout every phase of your project – from initial planning and design through fabrication and construction.

Product Selection Guide

	High Impact	Added UV Resistance	Added Mar Resistance	Tints or Colors Available	Energy Saving	Cold-Formable	Thermo-Formable	Privacy Glazing	Physical Attack Protection	Ballistic Attack Protection
LEXAN MR10 Sheet	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	
LEXAN XL10 Sheet	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
LEXAN 9034 Sheet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Prismatic Sheet		
PROTECT-A-GLAZE Sheet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Textured Surface		
LEXGARD® Laminates	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Prismatic Laminates	Yes	Yes
LEXAN THERMOCLEAR Sheet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Internal Ribbing		
LEXAN Corrugated Sheet	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Texture Available		
LEXAN Sheet for Signs	Yes	Yes	Yes	Yes	Yes	Yes	Yes			
LEXAN Film for ADA Signage	Yes	Yes	Yes	Yes	Yes	Yes	Yes			

LEXAN® MR10 Sheet with New MARGARD® II UV- and Abrasion-Resistant Coating

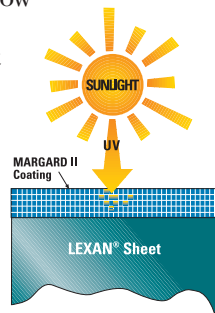


The most UV/abrasion-resistant polycarbonate glazing material available.

LEXAN MR10 sheet's improved MARGARD II coating resists abrasion and defies graffiti, to ensure a "like-new" appearance for many years to come.

The next generation of UV absorbers.

MARGARD II coating now incorporates enhanced UV absorbers to protect the sheet from the debilitating effects of sunlight. As a result, LEXAN MR10 sheet is accompanied by extended warranties that are your assurance of long-term product performance.



- Virtually unbreakable.
- High light transmission common to all LEXAN sheet products.
- Easily maintained without marring, hazing or yellowing.
- Complies with major model building codes.
- Dade County-approved material.†
- Only material recommended by GE for use in residential vertical glazing applications.
- 10-year replacement warranty against breakage, yellowing, abrasion, loss of light transmission and coating delamination.*
- 15-year replacement warranty against yellowing and light transmission for qualified dual-glazed systems.**

The ideal glazing for high-traffic and high-impact areas.

- Educational institutions
- Psychiatric hospitals
- Storefronts and windows
- Low-level physical attack areas
- Entrance doors and patios
- Hurricane protection
- Railings
- Sound barriers

Gauges: .118", .177", .236", .375", .500"

Standard Widths: 48" minimum, 96" maximum

Standard Lengths: 96" maximum

Standard Colors: Clear, Grey, Greylite, Bronze and Light Green (custom colors also available).

* Consult warranty for complete details.

** Combining laminated glass and LEXAN SL-4855 sheet used in accordance with the following guidelines: Double-channeled sash systems; EPDM gasketing throughout; proper venting; adequate air space and rabbet depth (for thermal movement); supplied by a sash OEM with a compatible double-channeled sash for LEXAN sheet. Consult warranty for complete details.

† Data on file at GE Plastics Structured Products.

LEXAN® XL10 Sheet UV-Resistant Sloped and Overhead Glazing



Insulate yourself against heat loss and the threat of vandalism.

LEXAN XL10 sheet offers an unmatched combination of durability and formability for a wide variety of sloped glazing and overhead applications. This virtually unbreakable LEXAN polycarbonate sheet with UV-resistant surface provides remarkable clarity — even after many years of intense sunlight and weather extremes.

In addition, LEXAN XL10 sheet offers high insulation values in a lightweight design that's easy to install and can be cold-formed on-site.

- Lightweight, thermoformable and virtually unbreakable.
- UV-resistant single-sided surface.
- Easily cold-formed to tight radii.
- Dade County-approved material (for residential vertical glazing see MR10 sheet).†
- Meets OSHA fall-through standards.

- Complies with major model building codes.
- 10-year replacement warranty against breakage, yellowing and loss of light transmission.*

The economical exterior glazing system for challenging sloped and overhead applications.

- Monumental skylights
- Skylights and barrel vaults
- Covered walkways and canopies

Gauges: .093", .118", .177", .236", .375", .500"

Standard Widths: 48" minimum, 96" maximum

Standard Lengths: 150" maximum

Standard Colors: Clear, Grey, GreyLite, Bronze and Light Green

Custom gauges, sizes and colors also are available.

LEXAN® LEXGARD® Laminates Bullet-Resistant and Forced-Entry Security Glazing



Your best protection against break-ins, bullets and bombs.

Patented LEXAN LEXGARD laminates offer the highest level of containment and ballistic protection, absorbing and repelling the impact of high speed bullets from 9mm handguns to 7.62 NATO high-powered rifles.

In addition, LEXGARD laminates absorb the impact of forced entry and bullets without the shattering or spalling that's associated with bullet-resistant glass and acrylic materials.

- Lightweight design is easy to fabricate and resists abrasion and UV light.
- Easy to install.
- Complies with major model building codes.
- UL752, HP White and ASTM F1233 containment and ballistic ratings.
- Multi-shot capability.

- Proven performance for over 20 years.
- 10-year replacement warranty against breakage, abrasion and structural delamination.**

The ultimate flat glazing for containment and ballistic protection.

- Federal and state correctional facilities
- County jails
- Teller, cashier and security windows
- Corporate security
- Military and government installations
- Security lighting

Gauges: .250" to 1.25"

Maximum Size: 60" x 96"

Standard Colors: Clear, Grey and Bronze

* Consult warranty for complete details.

** Use only recommended machining and fabrication techniques and approved cleaning procedures. Consult warranty for complete details.

† Data on file at GE Plastics Structured Products.

Protect-A-Glaze® 90318 Sheet



High-impact resistance, minimal maintenance.

Features/Benefits:

- High-impact strength
- Pebble finish
- Most economical grade of monolithic LEXAN sheet
- Complies with major model building codes
- Five-year warranty against breakage*

Typical Applications:

- Restrooms and locker rooms (schools)
- Industrial window glazing
- Overhead glazing

- Breezeways, carports, patios
- Wherever obscured vision is desired

Limitations

- No UV resistance

Availability

Gauges: .118", .177", and .236"

Standard Widths: 48", 60", and 72"

Standard Lengths: 36" to 150"

Standard Colors: Clear, Bronze, Green, and Gray

Custom gauges, sizes and colors also available

High-Impact Wallboard



High-impact, one-piece laminated wall panels.

Made available through a strategic alliance with COREGUARD® and National Gypsum Gold Bond® Hi-Impact Wallboard, this sheet product is designed for high-abuse, impact penetration prone areas.

High-impact wallboard combines LEXAN® LT300W polycarbonate sheet with fire-related gypsum wallboard, to provide at least 600 ft. lbs. of impact strength plus UL 263 (ASTM-119) for one- or two-hour fire-rated wall assemblies.

- Virtually unbreakable.
- Easy to install with traditional hand and power tools.
- Superior penetration resistance.
- Single piece construction.

Impact and fire resistance.

- Psychiatric institutions
- Hospitals
- Correction facilities
- Schools

Standard Gypsum Wallboard Sizes:
4' x 8' and 4' x 10'

LEXAN Sheet Thicknesses: 10 mil - 80 mil

National Gypsum

Phone: (704) 365-7300

Fax: (704) 365-7276

CoreGuard, Inc.

Phone: (517) 686-3077

Fax: (517) 686-7508

LEXAN® 9034 Sheet



High-impact resistance for protective glazing.

LEXAN® 9034 uncoated polycarbonate sheet is the standard grade of LEXAN sheet for transparent protective glazing. High-impact LEXAN 9034 sheet can be utilized for primary glazing, or on either side of existing glazing for economical protective against breakage or intrusion. A better insulator than glass, LEXAN 9034 sheet contributes to lower energy costs.

Feature/Benefits:

- High-impact resistance
- Excellent light transmission
- Good insulating properties
- Lightweight
- East to install
- Excellent thermoforming characteristics
- Easily cold-formed to tight radii

- Superior fire performance—self-extinguishing

Typical Applications:

- Interior applications for industrial and commercial
- Interior glazing in security areas
- Fabricated parts
- Industrial machine guards

Gauges: .118, .177, .220, .236, .375, .500
Custom gauges, sizes, and colors are also available

Standard Widths: 48" minimum, 96" maximum

Standard Length: 150" maximum

Standard Colors: Clear, Grey, GreyLite, Bronze and Light Green

* Refurbish by GE authorized laminators only. Use only approved cleaning procedures.

** Consult warranty for complete details.

† Data on file at GE Plastics Structured Products.

LEXAN® THERMOCLEAR® Sheet Multi-Wall Translucent Thermal Glazing



Up to 40% better insulation than single-pane glass.

Multi-wall LEXAN THERMOCLEAR (LTC) sheet offers high impact strength and light transmission plus superior energy efficiency. It also provides superior long-term resistance to weather extremes.

LEXAN THERMOCLEAR DRIPGARD™ (LTD) sheet features condensate control coating (6mm and 8mm) for greenhouse applications.

THERMOCLEAR sheet can be easily cold-formed on site as primary glazing for new construction, and overglazing in retrofit projects. Vertical internal ribbing and a sleek surface helps provide a fresh, updated look for older buildings.

- High impact strength, UV resistant and cold formable.
- 15% the weight of double-pane glass.*
- Up to 40% better insulation than single-pane glass.*
- Transmits up to 82% of visible light.*
- Complies with major model building codes.
- 10-year limited warranty against breakage, excessive yellowing and loss of light transmission.

The cost-effective alternative for a wide variety of primary or overglazing applications.

- Atriums, canopies and walkways
- Greenhouses
- Skylights/overhead glazing
- Industrial overglazing
- Pool enclosures
- Office partitions
- Stadiums

Gauges: 6mm, 8mm, 10mm, 16mm, 20mm, 25mm

LTC Standard Widths: 48", 72" and 83"

LTD Standard Widths: 47.25", 48", 71.25" and 72"

Standard Lengths: 36" minimum, 50' maximum

Standard Colors: Clear, Bronze, White, Opal, and Green (10mm only).

High-Performance Products: 16mm N-wall, 16mm 4-wall, and Venetian (specific gauges and lengths available upon request)

Custom sizes and colors are available.

LEXAN Multi-Wall Sheet Structures



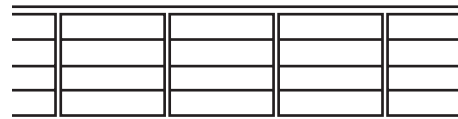
2 R – Twin Wall Rectangular Structure



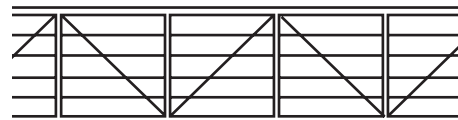
3 T – Triple Wall Tunnel Structure



4 RS – Four Wall Rectangular Structure



5 RS – Five Wall Rectangular Structure



6 RS – Six Wall Rectangular Structure

Sheet Technology Backed by Hands-On Support

The growing family of GE sheet products represents diverse technologies from the industry's broadest and most comprehensive engineering plastics line. The superior properties, durability and performance of these materials are your assurance of quality results.

To optimize your use of GE sheet products, GE Structured Products offers a range of technical assistance throughout every phase of your project – from initial concept through design, fabrication and end-use.

For further information, please call:
(800) 451-3147 or (413) 448-5400.

E-Mail:
structuredprod.internet@gepex.ge.com



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