PRODUCTS & CAPABILITIES

PLASKOLITE
Since 1950, Plaskolite has built a reputation for providing high-quality products and responsive customer service. Based in Columbus, Ohio, Plaskolite is the leading manufacturer of acrylic sheet, polycarbonate sheet, acrylic polymers, ABS, PETG, thermoplastic mirror sheet and performance-enhancing hard coatings.

Plaskolite delivers flawless quality sheet and resin to customers worldwide. ISO 9001:2015 quality management standards are maintained throughout our processes, including a fully integrated manufacturing system that converts acrylic monomer into acrylic resin and then into acrylic sheet.

To better serve our customers, Plaskolite offers thermoplastic sheet products in a wide variety of sizes, colors and patterns, as well as customized “Run-to-Size” dimensions, special patterns and thicknesses.

Plaskolite inside sales representatives use automated order and shipping tracking systems to provide customers with up-to-the-minute order information. From manufacturing through customized product offerings, packing, shipping and order tracking, Plaskolite is committed to delivering the highest quality products and service to its customers around the world.

FACILITIES

GLOBAL HQ – COLUMBUS, OHIO – The historic Buggyworks building became Plaskolite’s headquarters in 2017

COLUMBUS, OHIO – Over 340,000 sq. ft. of production space for custom sheet runs, coating applications and polymer production

ZANESVILLE, OHIO – 245,000 sq. ft. for large production runs, mirror sheet and coating applications

GRAND SALINE, TX – Performance-enhancing hard coatings

OLIVE BRANCH, MS – Over 160,000 sq. ft. of manufacturing prismatic lighting panels and acrylic flat sheet

COMPTON, CA – 60,000 sq. ft. polymer production facility

MEMPHIS, TN – OPTIX L Continuous cast acrylic production facility; Spa and Bath Division

SHEFFIELD, MA – 132,000 sq. ft. TUFFAK polycarbonate production facility

LINDEN, NJ – Plaskolite Rotuba Profiles 90,000 sq. ft. lighting profile production facility

MONTERREY, MEXICO – 90,000 sq. ft. lighting sheet and profiles production facility

MALATYA, TURKEY – A joint venture with Işik Plastik, cell cast acrylic manufacturing facility

DOETINCHEM, THE NETHERLANDS – Office and distribution facilities for customers throughout Europe
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EXTRUDED ACRYLIC (PMMA) SHEET

OPTIX EXTRUDED ACRYLIC SHEET exceeds industry standards for quality. Industry’s choice for point-of-purchase displays, lighting, signage, furniture, picture frame glazing and transportation applications.

- Impact and weather resistant, non-yellowing
- Clear acrylic thickness range – .031” (.8mm) to 1.0” (25.4mm)
- Colored acrylic thickness range – .060” (1.5mm) to 1.0” (25.4mm)
- Widths up to 105” (2667mm)
- Wide stock selection, custom colors, tolerances and thicknesses available
- Run-to-Size available

AVAILABLE PATTERNS INCLUDE:

- P-32/Haircell
- OPTIX NG non-glare light matte, heavy matte and OPTIX 99 ultra-light matte
- OPTIX Frost – frosting throughout the sheet
- OPTIX 95 – matte finish on one side
**POLYCARBONATE (PC) SHEET**

**TUFFAK POLYCARBONATE SHEET** combines clarity with durability. Multiple formulations engineered specifically to meet even the most stringent performance and aesthetic demands of applications in the architectural, lighting, aerospace, automotive, signage, transportation and safety products industries.

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<td>LED light diffusion; enhanced outdoor weathering performance</td>
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<td>NR</td>
<td>Non-reflective; UV resistant; proprietary matte surface</td>
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<td>High optical quality enhanced outdoor weathering performance</td>
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<td>SK</td>
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<td>Long lasting abrasion resistance, and outdoor weathering performance</td>
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<td>TUFFAK AR with a fifteen (15) year limited product warranty</td>
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<td>FC</td>
<td>Cold formable and drape formable; meets ANSI Z26.1 AS-6</td>
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<td>CG</td>
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<td>Marine 5</td>
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CONTINUOUS CAST ACRYLIC (PMMA) SHEET

CLEAR & COLORS
High molecular weight for ease of fabrication, uniform thickness and superior craze and chemical resistance.
» Exceptional UV stability
» Easy to shape, form, cut and bond
» Available in clear, bronzes, greys and whites
» Designer colors include Myst®, Metropolitan, Vario & Fluorescent

EcoShade
» Reflects more than 75% of infrared radiation from sunlight
» Specifically designed for skylights, windows, doors and partitions

OPTIX EL – EDGE LIT ACRYLIC
Create contemporary sign and graphic displays by lighting the edge of the acrylic instead of the back. Ideal for framed signage, displays, lighting fixtures and wayfinding.
» Available in .118” (3mm), .157” (3.99mm) and .236” (6mm), 54” x 100” (1372mm x 2540mm) sheet size

BLACK/WHITE 2028
» Black in daylight, white when illuminated
» Available in .177” (4.5mm) thickness, 54” x 100” (1372mm x 2540mm) sheet size

UTRAN
Ideal use for: indoor tanning beds, animal habitats, greenhouses, medical treatment devices
» Allows 92% transmission of UV-A and UV-B ultraviolet light
DIRECT-TO-PRINT ACRYLIC (PMMA) SHEET

OPTIX DA
Digital Acrylic designed to provide optimal adhesion of UV curing inks without adhesion promoters, delivering the benefits of a continuously processed acrylic sheet in a specially formulated product for printing.

OPTIX E SERIES
Erasable Acrylic available in Clear, 3015 White and 2025 Black with dry erase marker capabilities on one or two sides for traditional marker board applications.

OPTIX E-DA
Combines the innovation of direct-to-print technology with anti-graffiti and marker board capabilities.
- Thickness range – .118” (3.0mm) to .220” (5.6mm)
- Custom colors and thicknesses available
- Run-to-Size sheet offered
LIGHT DIFFUSING ACRYLIC (PMMA) SHEET

OPTIX LD
- Superior diffusion properties allow for greater sign design flexibility and slim profile channel (CAN) letters
- Unsurpassed performance when used with neon, fluorescent or LED lights
- Available in 2157 Red, 2283 Red, 2793 Red, 2406 White, 2447 White, 7328 White, 2050 Blue, 2114 Blue, 2037 Yellow, 8197 Yellow, 7235 Green, 2119 Orange, SG05 impact-modified and with a non-glare finish
- Thicknesses: .118" (3mm) and .177" (4.5mm)
- Custom colors, thicknesses and Run-to-Size sheet available

OPTIX LD MAX 2406
- Brightest white in the industry
- Ideal for decorative vinyl applications requiring high light output and increased light transmission compared to standard sign whites
- Eliminates visible hot spots and luminance fluctuations without affecting light transmission properties
- Thicknesses: .118" (3mm) and .177" (4.5mm)
- Custom colors, thicknesses and Run-to-Size sheet available
ACRYLIC (PMMA) NOISE BARRIER

- Optically clear, UV stable and weather resistant
- Easy to install and fabricate
- Meets requirements of ZTV-LSW 06, EN 1793 and EN 1794
- Available in widths up to 100" (2540mm)
- Thicknesses available up to 1" (25mm)
- Available in clear, colors and Frost
- Custom color matching available
- Surface treatments, including hard coating, also available
SIGN GRADE ACRYLIC (PMMA) FLAT SHEET

DURAPLEX SG05 MEDIUM IMPACT-MODIFIED ACRYLIC
DURAPLEX SG10 HIGH IMPACT-MODIFIED ACRYLIC
OPTIX SG GENERAL PURPOSE ACRYLIC

» Superior impact resistance, 10 times as strong as acrylic, 40 times as strong as single-strength glass
» Low shrinkage when forming
» Wide range of forming temperatures and short forming cycles
» Excellent weatherability
» Thickness range .040" (1mm) to .500" (12.7mm)
» Widths up to 105" (2667mm)
» Custom impact blends available
» Run-to-Size sheet offered
ACRYLIC FRAMING SOLUTIONS

OPTIX FRAME GRADE
OPTIX UFV - ULTRAVIOLET FILTERING
» Stocked in popular picture frame sizes
» .040” clear (1mm) and .050” non-glare (1.2mm)
» Camera inspected throughout the manufacturing process to ensure the highest quality
» Frame Grade Clear and UVF are available in 48” x 96” (1219mm x 2438mm)
» Frame Grade Clear thickness range from .060” (1.5mm) to .118” (3.0mm)
» UVF available in .098” (2.5mm) and .118” (3.0mm) thicknesses

OPTIX L SERIES FRAME GRADE
» 100% guarantee of no black speck contamination
» Excellent UV performance – suitable for indoor and outdoor use
» Excellent optical clarity from continuous cast acrylic
» Easy to clean, superior craze and chemical resistance
» Lightweight and impact resistant

OPTIX L SERIES MUSEUM GRADE
» Maximum protections, filters out 98% of damaging UV light
» Meets demanding museum standards
» Blocks the harmful rays that fade and damage
THERMOPLASTIC MIRROR SHEET

» Clear acrylic mirror is offered in a thickness range from .060" (1.5mm) to .236" (6.0mm), in a standard sheet size of 48" x 96" (1220mm x 2440mm)

» Non-stock sizes from 36" x 60" (914mm x 1524mm) to 80" x 120" (2032mm x 2450mm) available

» Acrylic mirror colors available in .118" (3mm) thickness, 48" x 96.5" (1220mm x 2450mm) sheet size, 1" (25.4mm) overage provided

» Polycarbonate mirror offered in .118" (3mm) and .236" (6mm) thicknesses; PETG mirror offered in a thickness range from .040" (1.02mm) to .118" (3mm)

» Clear acrylic mirror available in prismatic and non-glare patterns

» Two-sided and see-through mirrors available in acrylic and polycarbonate

» FABBACK marine-grade acrylic mirror, double inspected for maximum quality

» Aircraft-grade polycarbonate (PC) mirror meets FAR 25.853 (a) flame retardant requirements and offers maximum quality and abrasion resistance

» AR scratch resistant coating available

Colors available:

- 2422 Amber
- 1000 Blue
- 2069 Blue
- 2424 Blue
- 2404 Bronze
- 1600 Bronze
- 1300 Gold
- 1050 Gray
- 2064 Gray
- 4674 Green

- 2414 Green
- 1119 Orange
- 1450 Pink
- 1020 Purple
- 1310 Red
- 1400 Red
- 2423 Red
- 1350 Rose Gold
- 2120 Teal
- 2208 Yellow
LIGHTING SOLUTIONS

Plaskolite offers a full line of lighting sheet and profiles to meet the needs of various environments and industry requirements. The pattern and finish options were designed to provide varying levels of light output and direction control of fluorescent, LED and HID light sources.

OPTIX LED SERIES
» Extruded acrylic lighting lenses specifically designed for LED applications
» Optimal blend of light transmission and light diffusion formulation
» Textured, matte, gloss formulations

LUMEN XT
» Translucent polycarbonate product with a textured surface on one side
» High light-diffusion and light-transmission properties

KSH SERIES
» Prismatic patterned panels offer a variety of glare control and light distribution properties
» Matte finish overlay products diffuse lamp images and provide uniform surface brightness
» Acrylic (PMMA) and polycarbonate (PC) options available

ACRYLIC (PMMA) PATTERNED LIGHTING SHEET
» OPTIX Prismatic, Prisma Square, Micro Prism and Cracked Ice patterns available
» DURALENS® premium-grade acrylic lighting panels are covered by a 10-year limited warranty against breakage

PLASKOLITE ROTUBA PROFILES
» The leader in custom profile design and manufacturing
» Extruded acrylic lighting profiles
» Custom designs and formulations using OPTIX acrylic polymers
» In-house 3D design, die tooling, extrusion and testing
PETG SHEET

Ideal for thermoforming applications

» Offers a unique balance of physical properties and ease of fabrication

» Ideal for applications that require deep draws, complex die cuts and precise molded-in details, without sacrificing structural integrity

» VIVAK is manufactured with a resin that complies with FDA requirements for food contact and is available in a thickness range from .020” (.508mm) to .500” (12.7mm)

» Available in a wide range of sheet sizes

» Custom thickness and color options available

» Run-to-Size sheet offered
ABS SHEET

Ideal for thermoforming applications

» Utility-grade ABS (Acrylonitrile Butadiene Styrene) sheet is produced with only the highest quality recycled product and has a 100% virgin cap

» Thickness range from .060" (1.5mm) to .236" (6.0mm)

» Black and white colors available with a haircell pattern on one side, smooth finish on the reverse

» Available in a 48” x 96” (1219mm x 2438mm) sheet size

» ABS has high-impact strength and outstanding formability
CROSS LINKED ACRYLIC FOR SPA AND BATH

For over 40 years LUCITE Spa and LUCITE Bath continuous cast acrylic sheet have been the preferred choice of manufacturers worldwide. This cross-linked acrylic is used in the finest spa and bath designs. Our timeless solids and complex patterns offer a luxurious finish to any vision of relaxation.

» Capable of deep draw thermoforming
» Breathtaking colors for spas or baths
» Durable, smartly engineered material, made to last
» Pristine high-gloss appearance and lasting colors
» Contact us for a list of stock colors for the current season
ROLL STOCK

OPTIX SG, SG05 AND SG10 ACRYLIC
Available in widths up to 105" (2667mm), thickness range from .118" (3mm) to .236" (6mm)

TUFFAK SL AND LD POLYCARBONATE
Available in widths up to 105" (2667mm) thickness range from .093" (2.3mm) to .236" (6mm)

Contact PLASKOLITE for minimum order requirements
CUSTOMIZATIONS & SERVICES

RUN-TO-SIZE
Run-to-Size ordering from Plaskolite delivers ultimate flexibility by allowing the purchase of our most popular thermoplastic substrates made to specific size requirements. Customers save money thanks to the ability to purchase exact sizes, while scrap, year-end drops and unused inventory become a thing of the past.

» Wide range of sizes and thicknesses
» Low minimum order requirements
» Quick turnaround time – the shortest in the industry
» State-of-the-art sheet lines with the most precise tolerances
» Saw cut and slitter cut edges available

HIGH PERFORMANCE HARD COATINGS
Abrasion resistant, anti-fog, glare reducing, solar reflective and mirror coatings are among the many functional hard coatings applied utilizing Plaskolite’s state of the art production facilities and processing equipment.
OPTIX ACRYLIC (PMMA) RESINS

OPTIX ACRYLIC POLYMERS are used in a diverse range of applications, including medical, lighting, medical housewares, optical, automotive and architectural. A wide range of general purpose, impact-modified and specialty grades available for all injection molding and extrusion processes.

» Superior clarity, dimensional stability, exceptional weatherability and unsurpassed strength
» Multiple grades of general purpose and impact-modified resins
» Manufacturer of complex custom-tailored formulations
» Technical and engineering support services available for molding/extrusion processing, mold design and troubleshooting

OPTIX LED POLYMERS are a family of specialty resins for LED technologies

» Frost Polymer – CA 8125 with an innovative colorless transmitting additive
» LD Polymer – Illumination transmitting diffuser concentrate
» WT2406 – CA 8125 with a specially formulated white, color blocking diffuser