

# PLASKOLITE

## EUROPEAN PRODUCTS & CAPABILITIES

Thermoplastic solutions

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# PLASKOLITE

PERFORMANCE PLASTIC  
MANUFACTURING:  
SHEET, POLYMER, PROFILES

1950  
FOUNDED

## OUR MISSION

TO PRODUCE INNOVATIVE ENGINEERING THERMOPLASTICS THE RIGHT WAY; THROUGH LONG-LASTING CUSTOMER RELATIONSHIPS, HANDS-ON CUSTOMER SERVICE AND RESPONSIBLE MANUFACTURING

## MANUFACTURING LOCATIONS



GLOBAL  
HEADQUARTERS  
COLUMBUS, OH

PRIVATELY HELD  
120+ PRODUCTION  
LINES

2000+  
EMPLOYEES

## OUR PILLARS OF SUSTAINABILITY

### CONTRIBUTING TO MAKE THE WORLD A BETTER PLACE

From our founding, we strive to treat our employees, our customers, our community and the world with kindness, dignity and respect. This drives our continuing effort to perform sustainable manufacturing and create products in an environmentally-friendly manner, for generations to come.

This on-going commitment is expressed in our Three Pillars of Sustainability:

### WHAT WE MAKE

Versatile, high-quality, durable thermoplastic sheets instead of single-use plastics.



### HOW IT'S MADE

We create products to reflect our sustainable philosophy of improving our environment.



### HOW IT'S USED

Our thermoplastics play an important role in advancing the well-beings of others, energy conservation, and quality of life.







**EXTRUDED, CAST, CONTINUOUS CAST ACRYLIC (PMMA) SHEET**

**OPTIX ACRYLIC SHEET**

Exceeds industry standards for quality, and is the choice for framing, point-of-purchase displays, and window glazing.

- » Extruded - Clear acrylic thickness 0.5mm to 30mm, widths up to 2667mm
- » Cast (formerly called Plazcast) - Wide selection colors, textures and thicknesses available  
 Thickness 3 - 6 mm, 3050X2050mm  
 Thickness 8 - 35 mm, 3050X2030mm  
 Thickness 40 - 60 mm, 3000X2000mm
- » Continuous Cast - High molecular weight for ease of fabrication, uniform thickness and superior craze and chemical resistance. Clear, colors, edge-Lit, UV transmission, IR blocking grades available

**AVAILABLE EXTRUDED PATTERNS**

GRADE	FEATURES
P-32	Wavy/Haircell
OPTIX NG	Non-glare light matte, heavy matte
OPTIX 99	Ultra-light matte
OPTIX FROST	Frosting throughout the sheet
OPTIX 95	Matte finish on one side
ADOBE	Pebbled texture



**RECYCLED SHEETS**

PLASKOLITE is making a genuine contribution to improving earth's ecological situation. Recycling is a requirement, and the entire plastic industry is rallying to adhere to local and global standards and directives. Introducing the recycled product family, made entirely of recycled materials:

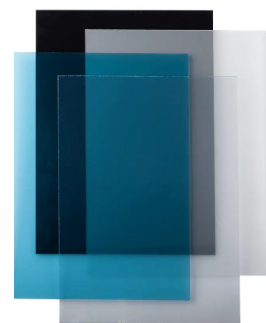
**PROCESSING DUST**

An innovative solution for handling board processing dust to recreate extruded recycled PMMA sheets.



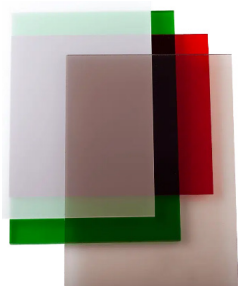
**XT**

Products made from fully recycled PMMA XT sheets



**CAST**

Products made from fully recycled cast PMMA sheets



**PC**

Products made from fully recycled polycarbonate sheets





**LIGHT DIFFUSING ACRYLIC SHEET & POLYCARBONATE SHEET**

**OPTIX LD**

- » Superior diffusion allow for greater sign design flexibility and slim profile channel letters
- » 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
- » Thicknesses: 0.118" (3mm) and 0.177" (4.5mm)

**OPTIX & TUFFAK LD**

- » 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
- » Custom colors, thicknesses and Run-to-Size sheet available

**AVAILABLE PATTERNS**

COLOR	PMS	OPTIX LD	TUFFAK LD
White 7328		✓	✓
White 2406		✓	
White 2447		✓	✓
Yellow 8197	7548 C	✓	
Green 7235	2426 C	✓	
Red 2157	485 C2X	✓	
Red 2283	485 C	✓	✓
Red 2793	186 C	✓	✓
Blue 2114	288 C	✓	✓
Blue 2050	280 C	✓	
Blue 2051	300 C		✓
Green 2108	349 C	✓	✓
Yellow 2037	Yellow C	✓	✓
Orange 2119	166 C	✓	✓

**TUFFAK LD**

- » Light diffusing PC sheet with enhanced UV resistance for exterior signs
- » Virtually unbreakable, easy to form, fabricate, and decorate
- » Gauge range 0.118"-0.236" Complies with ANSI/UL 879 for Electric Sign Components

**DIRECT-TO-PRINT ACRYLIC SHEET**



**OPTIX DA**

Digital Acrylic designed to provide optimal adhesion of UV curing inks without adhesion promoters. DA delivers 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 - 0.118" (3.0mm) to 0.220" (5.6mm)



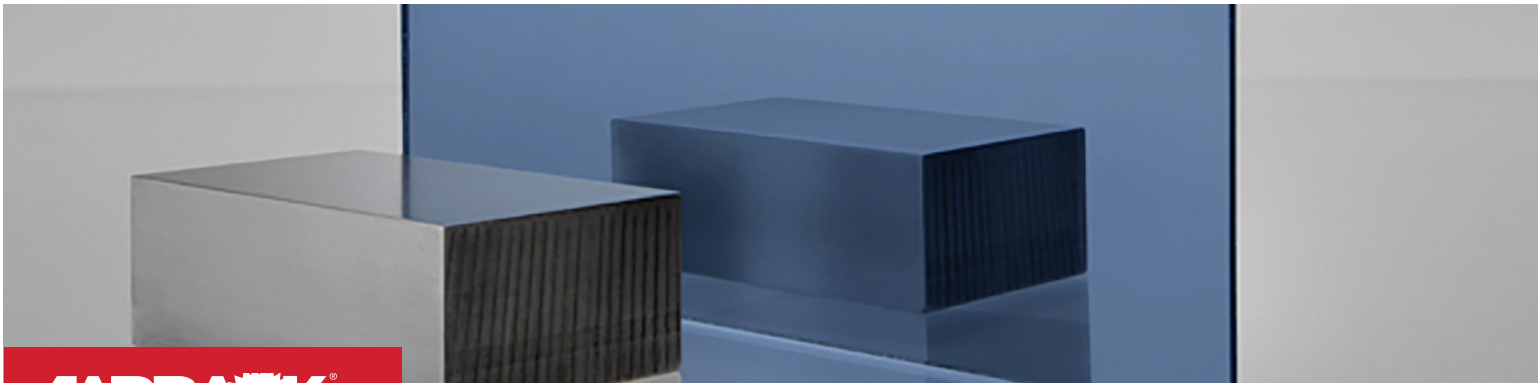


**TUFFAK®**

**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 security industry. Monogal brand PC sheet is now called TUFFAK. Thickness 0.5mm to 20mm.

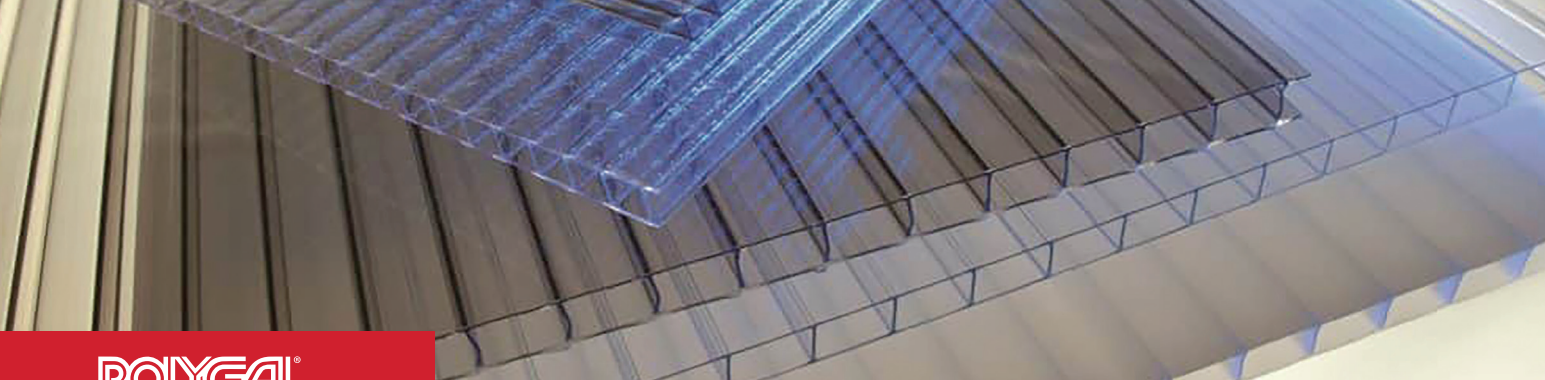
GRADE	FEATURES	GRADE	FEATURES
GP	High impact, clarity & temperature resistant	SK1	Smooth and prismatic light diffusion: UV resistant
GP	Pebble, matte & prismatic textures	SK1 CC	Advanced IR blocking to reduce solar heat: UV resistant
OP	High optical quality	AR	Abrasion resistance, & outdoor weather performance
FI	UL 94 V-0, 5VA, FAA rated, not UV stabilized	15	Fifteen year limited product warranty
LF	UL 94 V-0, FAA rated, UV stabilized	FC	Abrasion resistant, cool and drape formable: meets ANSI Z26.1 AS-6
FD	FDA compliant for food contact	MARINE 5	High optical clarity; low optical distortion; UV, abrasion, & chemical resistant
SL	Enhanced outdoor weathering performance	CG/BR/MS	Containment grade, ballistic resistant: can be sewn to Marine 5
LD	LED light diffusion: enhanced outdoor weathering performance		
NR	Non-reflective; UV resistant: proprietary matte surface		
UV	High optical quality enhanced outdoor weathering performance		
SK	Smooth and prismatic pattern, awnings, skylights, canopies		



**FABBACK®**

**THERMOPLASTIC MIRROR SHEET**

- » Clear acrylic mirror is offered in a thickness range from 0.060" (1.5mm) to 0.236" (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 0.118" (3mm) thickness, 48" x 96.5" (1220mm x 2450mm) sheet size, 1" (25.4mm) overage provided
- » Polycarbonate mirror offered in 0.118" (3mm) and 0.236" (6mm) thicknesses; PETG mirror offered in a thickness range from 0.040" (1.02mm) to 0.118" (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
- » Abrasion resistant coating available



**POLYGAL®**

## MULTIWALL POLYCARBONATE SHEETS

### STANDARD GRADE SHEETS

POLYGAL Standard Grade sheets are available in double- and triple-layered wall structures. High light transmission and thermal insulating properties, provide a flexible solution for most conventional roofing and glazing applications.

### THERMOGAL

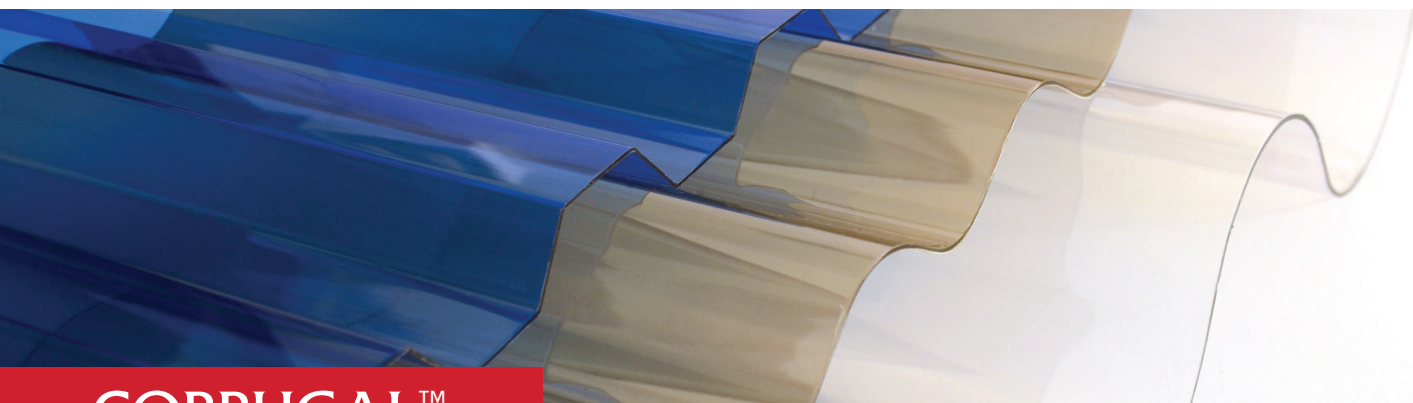
The unique interior X-brace design of 32mm THERMOGAL sheet combines superior strength, rigidity and excellent thermal insulation. Ideal for low-pitched roofs, cladding and glazing in closed structures with large-span openings.

### SELECTOGAL

The sophisticated, patented prismatic design of SELECTOGAL (RFX) sheet, enables it to reflect the sun's heat in the summer, yet allows increased penetration of solar heat in the winter. The energy efficiency of SELECTOGAL combined with its aesthetically pleasing appearance, make it an ideal roofing solution, and can be used for interior design applications.

### TITAN SKY

TITAN SKY's internal cross-brace structure provides increased strength and superior insulation. TITAN SKY offers an advanced architectural solution that has increased light transmission and the ability to withstand heavy loads.





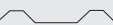



**CORRUGAL™**

## CORRUGATED POLYCARBONATE SHEETS

### CORRUGAL FOR ARCHITECTURE, CONSTRUCTION & GLAZING

High quality sheets with superior optical and physical properties. CORRUGAL corrugated polycarbonate solid sheets are virtually unbreakable, easy to install and highly transparent. Coextruded with a UV protection layer, CORRUGAL offers a large variety of colors and shapes for a wide range outdoor applications.

TYPE	SHAPE	PROFILE	THICK (MM)	WIDTH (MM)	LENGTH (MM)
SINUS		76/18	0.5-1.2	810, 1100, 1260	
GRECA		76/18	0.6-1.2	970, 1260	
P-7		177/51	0.8-1.2	920, 1100	
TR-40		196/40	0.8-1.2	1118	11.80
R-101		145/22	0.8-1.2	1070	
DV-4		333/50	0.8-1.2	1095	





# LIGHTING SOLUTIONS

## SHEET

### OPTIX LED PXT

The next generation of acrylic diffusers

- » Consistent light transmission
- » Optimized for high light transmission
- » High diffusion properties
- » Eliminates LED hot-spots
- » Wide range standard grades
- » Matte texture on both sides
- » Available in Polymers and Profiles

### TUFFAK LUMEN-XT

Translucent polycarbonate sheet designed for LED lighting lenses

- » Textured surface, one side
- » Hues: LC (cool) or LW (warm)
- » High light diffusion and light transmission
- » High impact resistant
- » UL 94 V2 rating

### LED SATIN OPTIX LED

Satin acrylic based lens

- » Colorless and white
- » High light transmission
- » High diffusion power
- » Matte texture on one side
- » Shallower fixtures
- » Thinner gauges
- » Interior and exterior applications

### OPTIX LGP

Custom, laser etched light guide panel

- » Optimized light output
- » Maintain balance and visual aesthetics
- » 100% acrylic edge-lit solution, indoor and outdoor applications
- » Custom solution tailored to your specification needs

## PROFILES

### CUSTOM PROFILE DEVELOPMENT

The leader in custom profile design and manufacturing extruded acrylic lighting profiles.

- » New product development process
- » Rapid development to production
- » Full in-house design and engineering of profile tooling



## POLYMERS

### OPTIX ACRYLIC POLYMERS

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

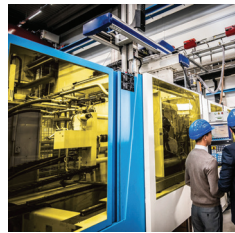
are a family of specialty resins for LED technologies

- » 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

# SPECIALTY SHEETS



Textured / Matte Finish



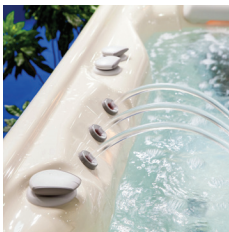
Laser & Welding Screen



Mirror Sheet



Non-Glare Direct Print



Spa & Bath Sheet



Noise Barrier



Lighting Panels



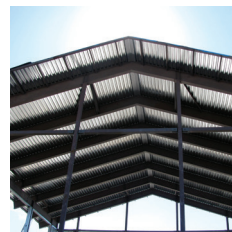
ABS Sheet



Bullet Resistant



Erasable Direct Print



Corrugated



Standing Seam

## PLASKOLITE

Columbus, OH USA  
 Zanesville, OH USA  
 Grand Saline, TX, USA  
 Olive Branch, MS, USA  
 Compton, CA, USA

Memphis, TN, USA  
 Sheffield, MA, USA  
 Linden, NJ, USA  
 Charlotte, NC, USA  
 Lancaster, PA, USA

Gazit, ISRAEL  
 Monterrey, MEXICO  
 Stara Zagora, BULGARIA  
 Girona, SPAIN  
 Casablanca, CHILE

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These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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