

- PVC Sunboard®
- PVC / WPC Board
- Cast Acrylic Sheet
- Moulding Grade Acrylic Sheet
- Mirror Acrylic Sheet
- PP Corrugated Sheet
- Clear A-PET / PVC Sheet
- Opaque White PVC Sheet
- Roll Up Standee



# Manglam Enterprises

## About Us

**Manglam Enterprises** – Your Trusted Partner for Premium Cast Acrylic Sheets, PVC Foam Boards and WPC sheets

### Company Overview:

Manglam Enterprises, headquartered in Bangalore, is a leading importer and distributor of high-quality materials required for the signage and fixtures industry. With a sharp focus on quality and innovation, we specialize in importing and supplying high-grade cast acrylic sheets under the internationally acclaimed **PT Glas** brand, along with durable and versatile PVC foam boards and WPC sheets catering to diverse industrial and commercial needs including signage, advertising, construction, interior design, exhibitions, displays, furniture manufacturing, and retail.

Established in 1975 under the visionary leadership of Mr. Piyush Shah, our company has grown from modest beginnings into one of South India's leading importers and distributors of Cast Acrylic Sheets and PVC/WPC sheets.

### Why Choose Manglam Enterprises?

- Extensive Product Range:** We offer a comprehensive selection of high-quality materials to meet diverse needs in the signage industry like Cast Acrylic Sheets, PVC / WPC Sheets, PP Corrugated Sheets, PP Bubble Guard Sheets, Rollup Standees, Rigid Pvc Sheets, Acrylic Mirror Sheets
- Quality Assurance:** We are committed to providing products that meet the highest standards of quality and performance.
- Reliable Supply Chain:** We have established strong relationships with local and international suppliers to ensure a consistent and reliable supply of materials.
- Competitive Pricing:** We offer competitive pricing to provide the best value for our clients.
- Industry Expertise:** With over 50 years of experience and a strong understanding of market needs, we ensure that clients receive the right materials for their specific application. We were the distributors for **ICI** Acrylic sheets, **GSFC** Cast acrylic sheets and **Finolex** Pvc Foam Sheets for the state of Karnataka.
- One-Stop Signage Solution:** Whether you're building illuminated signs, indoor displays, outdoor hoardings, or trade show setups, we provide everything from raw materials to ready-to-use items like Roll-up standees.

### Contact Us:

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**Manglam Enterprises: Your Partner in Quality Materials.**

**IMPORTERS FOR PT GLAS CAST ACRYLIC SHEETS**



## COMPANY INTRODUCTION

Founded in year 2000, Lei Mei Acrylic (Dongguan) Co., Ltd. is located in the centre of the economic region in Dongguan, China. Our company specializes in the manufacturing of premium grade cast acrylic sheets.

## PT GLAS®

PT GLAS® is the registered trademark of Lei Mei's premium grade cast acrylic sheets and it has been UL certified.

PT GLAS® is widely known in the industry for its superior grade and sets the standard for quality for cast acrylic sheets around the world. It provides a cost-effective solution for just about every application where cast acrylic sheets are required.

Our clients are well established manufacturers of furnitures, top end electronic and advertising products.

## FULLY COMPUTERIZED PRODUCTION PROCESS

Our company utilizes a sophisticated computer and electronic system to monitor the entire production process to ensure all the sheets are manufactured according to the highest standard. At the beginning of the production line, every single sheet is assigned an unique lot number for traceability and at the end of the production line, every single sheet is checked for quality and defects by our highly-trained quality control team. We are extremely proud to be the only one casting acrylic sheets manufacturer to utilize this process – resulting in a product with consistent quality standard.

## PERFECTION IN QUALITY

"Perfection in Quality" is our company mission and objective. We constantly strive to improve the consistency and quality by tightening quality control on every stage of our production process. Combining it with (1) technological improvement, (2) modern, state-of-the-art machinery, and (3) top quality human resources management, the result is unsurpassed, top-notch products.

Please feel free to contact us for future business cooperation. Our team is ready to assist with your enquiries and to serve your customized needs.



## PRODUCTION PROCESS

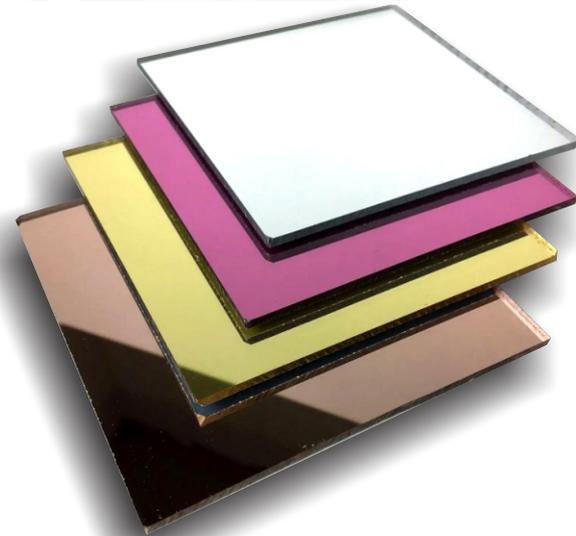


## Mirror Acrylic Sheet

**Mirror Acrylic Sheets** are crafted from extruded acrylic sheets using the vacuum metalizing process. The most common colors for these mirror panels are silver and gold; however, as a trusted supplier of acrylic mirror sheets across India, we offer customization of colors to meet customer needs.

These sheets are highly shatter-resistant, making them safer and more durable alternatives to traditional glass mirrors. Additionally, they are non-toxic, odorless, and exhibit excellent weather and chemical resistance. **Mirror Acrylic Sheets** can undergo heat treatment and laser cutting, enhancing their versatility for various applications.

Widely used across industries, these sheets serve purposes in carving, advertising, lampshades, decoration, stationery racks, gifting, kitchen and bathroom furniture, architectural design, optics, arts, and beyond.



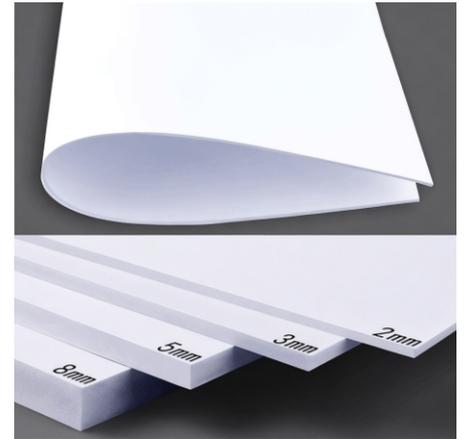
Product	Acrylic mirror sheet, Adhesive Acrylic Mirror sheet, decorative mirror sheet
Material	PMMA Conformed to RoHs 91/338/EEC,2005/84/EC,EN 71-3
Standard size	1220×2440mm - Acrylic Mirror
Thickness	1mm to 3mm - Acrylic Mirror
Advantage	Light-weight, unbreakable, safe, no pollution, non-toxic
Color	Silver, Golden, Copper, Rose Gold & customized colors
Usage	Interior Decor, Boxed Letters, Signages, Laser cut Decoration, Glazing & Retail Displays
Back & Packing	Eco-friendly paint backing or adhesive backing, PE film on front side

# PVC Foam Board Signage Grade

Punching & Printing Grade (Rollable)



**SUNBOARD** also known as foam board, is a strong, lightweight and easily cut which is widely used as mounting board to paste vinyl prints, as well as frame backing and also for direct printing purposes. Sunboard is commonly used in India and around the world for large-format printing and store branding.



Typically, photos or creative designs are first printed on self-adhesive vinyl, which is then mounted onto the Sunboard. The mounted Sunboard can be affixed to walls, pillars, or other flat surfaces using either double-sided adhesive tapes or nails, depending on the surface requirements.

A more modern approach is to print directly onto the Sunboard using a UV flatbed printing machine. UV-printed Sunboard offers greater durability and is free from peeling issues, making it a preferred choice for long-lasting applications.

## WHITE COLOUR SHEET

Thickness	Sizes in Feet
2.0 mm	4 x 8
3.0 mm	3 x 6, 3 x 8, 3 x 10, 4 x 6, 4 x 8, 4 x 10, 5 x 10
4.0 mm	4 x 8
5.0 mm	3 x 6, 3 x 8, 3 x 10, 4 x 6, 4 x 8, 4 x 10, 5 x 10
8.0 mm	4 x 8
10.0 mm	4 x 8
12.0 mm	4 x 8
15.0 mm	4 x 8
18.0 mm	4 x 8

## BLACK COLOUR SHEET

Thickness	Sizes in Feet
3.0 mm	4 x 8
5.0 mm	4 x 8
8.0 mm	4 x 8

### Printability

Screen Printing, Digital Printing, Flatbed Printing, Vinyl Pasting, Scodix & UV Digital

End Use : Advertising Signages, POP, Display Stands, Letter Cutouts, Box Letter & Dangers.



# PVC & WPC Board

## For Furniture Grade

**PVC & WPC** boards are composite materials made from a combination of limestone, polyvinyl chloride (PVC), and other chemicals. These boards offer several significant advantages over natural wood, such as being termite-proof, 100% waterproof & fire-retardant.

They are extensively used in various applications, including modular kitchens, wall paneling, wardrobes, window and door frames, bathroom cabinets, railings, and office furniture. **PVC & WPC** boards are especially suitable for areas with high moisture retention.

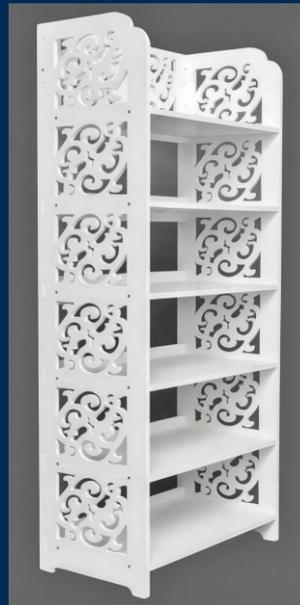
These materials are as easy to fabricate as wood, allowing for the seamless application for pasting decorative laminates, veneers, acrylic laminates, and PVC laminates. Additionally, **PVC & WPC** boards are optimized for precise carving and shape cutting using CNC router machines, ensuring a flawless finish.



### OUR BRANDS



### END USE OF THE PRODUCT



Thickness 3 mm to 25 mm  
Size in Feet 4 X 8  
Density 0.4 to 0.65 kg./M<sup>3</sup>

Applications  
Decorative Grills, Partitions,  
False Ceiling, Modular Kitchens,  
Office & Home Furniture,  
Bathroom Vanities & Advertising  
Display Boards

### COMPARISON OF PVC FOAM BOARD /WPC DOORS WITH PLYWOOD, MDF & PARTICLE BOARDS

BASIS OF COMPARISON	PVC/WPC	PLYWOOD	MDF	PARTICLE BOARD
Water & Moisture Proof	✓	✗	✗	✗
Termite & Pest Proof	✓	✗	✗	✗
No Shrinking or Swelling	✓	✗	✗	✗
Fire Retardant	✓	✗	✗	✗
Borer Proof	✓	✗	✗	✗
Corrosion Resistance	✓	✓	✓	✓
Splinter Free	✓	✗	✗	✗
Maintenance Free	✓	✗	✗	✗
Environment Friendly	✓	✗	✗	✗
Smooth Surface	Much More Smoother	Less Smoother	Less Smoother	Less Smoother
Gluing & Lamination	✓	✓	✓	✓
Weather & Ageing Resistant	✓	✗	✗	✗



# Cast Acrylic Sheet

**Acryglo** Cast Acrylic Sheets are premium-grade cast acrylic sheets manufactured using high-quality raw materials. These sheets are known for their excellent quality, durability and cost-effectiveness. They offer exceptional optical clarity and transparency, making them a preferred choice for various applications.

**Acryglo** Cast Acrylic Sheets are highly resistant to temperature fluctuations and up to 10 times stronger than ordinary glass. Weighing only half as much as glass, they are also ideal for precision machining. Moreover, these sheets are highly resistant to a wide range of chemicals, further enhancing their versatility & durability.



## ACRYGLO IS REGISTERED BRAND OF RAJ INC.

**Thickness** 1.8 mm to 20 mm

**Size** 4 ft x 8 ft.

**Color** Clear, Milky White, Black, Opal White (040), Red, Blue, Green, Yellow, Orange, Brown, Pink and other colors

**Applications** Signage Letter Cutting, Laser Cutting, Engraving, Photo Frames, Indoor Advertising, Retail Display, Modular Kitchen & Partition etc.

# Moulding Grade Acrylic Sheet

**Moulding Grade Acrylic Sheets** are produced through the extrusion process. Similar to cast acrylic, extruded acrylic offers several advantages. Firstly, it is more economical. Secondly, extruded acrylic sheets possess excellent optical properties, just like their cast counterparts.

One notable difference is that extruded acrylic sheets have a lower melting point compared to cast acrylic. This makes them highly thermoformable, bendable, and moldable, as they are more malleable than cast acrylic sheets. Additionally, these sheets bond well and can be effectively polished using flame polishing or a buffing machine. This enhances the durability of the final product, as minor surface scratches can be easily polished or buffed away.

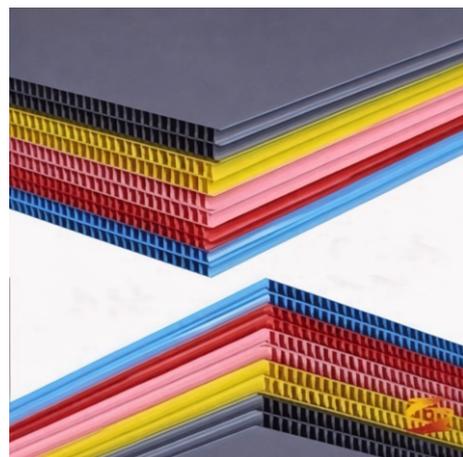
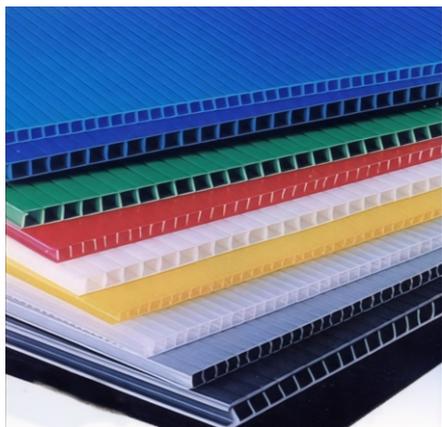


<b>Thickness</b>	0.8 mm to 1.7 mm
<b>Size</b>	4 ft x 8 ft
<b>Color</b>	Clear, Milky White, Opal White, Black
<b>Applications</b>	Laser Cutting, Engraving, Photo Frame, Indoor Advertising, Retail Display, Modular Kitchen & Partition

## Benefits of Extruded Acrylic Sheets

- Thermoformable
- Less expensive than glass or cast acrylic
- Excellent optical properties
- More impact resistant than glass
- Good electrical and UV resistance

# PP Corrugated Sheet (Flute Board)



**Thickness** : 1.5 mm to 8.00 mm  
**Size** : 4' x 6' (Std. Size) **Other Sizes** : on bulk orders  
**Surface** : Ribbed & Printable  
**Grade** : Floor Protection, Printing & Packaging  
**Colours** : White, Black & Yellow  
**GSM** : 225 ~ 2000 Gsm

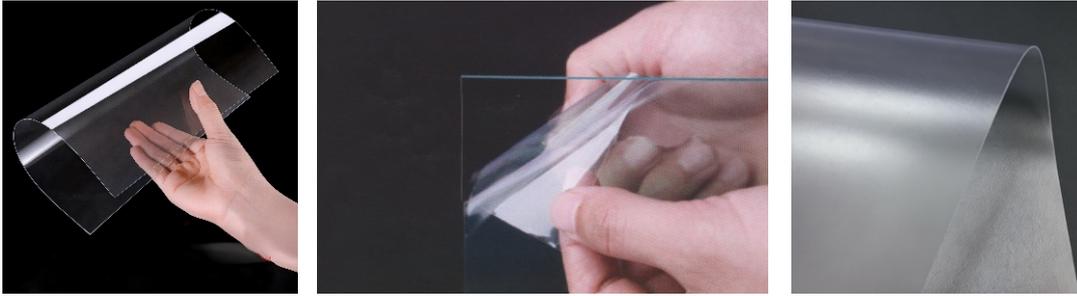
**End Use** : Signage, POP, Display Stands, Dangers, Packing Cartons; Floor Guard Sheets are for Floor Protection of on going Renovation, Moisture Protection Sheet, Guard for Wall Mounted Furniture, Roofing Insulation sheet



PP Floor Guard Sheets for Floor Protection during on going Renovation.

# Transparent Rigid PVC / A-PET Sheets

(With both side Protective Film)



## Specifications:

Available Sheet Form Thickness: 0.15mm to 2mm

Standard Sizes (W x L): 3' x 6' (Std), 3' x 8', 4' x 8' (on bulk orders)

## Various Applications:

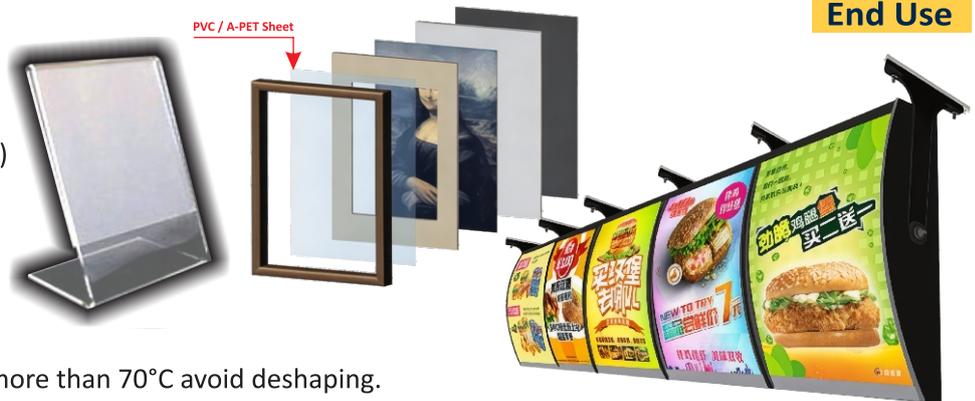
Electronic Panels, Window Display, Clear Cartons, Gold / Silver Coin Card, Transparent Card, Dangers, Photo Frame Glass, Indoor Advertising & Sign Boards, Trans Lite, Backlit Photo Frames, Dials & Decals for low Temperature for Electronic Consumable, Mobile Cover, QR Code E-Payment Stands, Etc.

## Special Features:

Glass like clarity, unbreakable, can be cold bent like metal, can be cut on paper & card board cutting machine & CNC Router Machine.

## CAN BE

- Screen Printed
- Half Tone (Maximum dpi) printed
- Offset sheet fed (with plasto series ink)
- Flat Bed Printed
- UV Digital
- Scodix Digital
- Digital - (HP-Indigo) Printed.
- Hot foil stamped (Gold/Silver Foiling)
- Dome Coating Possible.
- The Temperature should not Exceed, more than 70°C avoid deshaping.



End Use

## Opaque White Rigid PVC Sheets



## Specifications:

Available Sheet Form Thickness: 0.15mm to 2mm

Standard Sizes (W x L): 3' x 6' (Std), 3' x 8', 4' x 8' (on bulk orders)

## Various Applications:

Dangers, Indoor Advertising & POP Signs, Clock Dials & Decals, QR Code E-Payment Stands, Etc.

## Special Features:

Unbreakable, can be cold bent like metal, can be cut on paper & card board cutting machine & CNC Router Machine

## Printability:

Screen & Half Tone printing • Offset sheet fed (with plasto series ink) • Flat Bed & UV Digital printing • Scodix Digital, HP Indigo Printing Gold/Silver Foiling, Dome Coating Possible. The Temperature should not Exceed, more than 70°C to avoid de- shaping.

Do not keep Rolled for more than 24 hours to avoid permanent curves

Do not store in Open Direct Sunlight or Rain & Dust Store in Normal Room Temperature Covered with Plastic or Cloth

Can be Drilled  
Can be thermo formed  
Can be Screwed

Do not remove all masking untill end use to avoid scratches

Can be Cold bent up to 90° like Steel

Lower Thickness up to 1.5 mm  
Can be cut on Paper Cutting Machine

# PP BUBBLE GUARD SHEETS



## INTRODUCTION

AEROLAM Bubble Guard Print Boards are a new & ideal range of visual communication support like Advertisement Banners, Displays, Graphics & Signages. They are smooth and flat surfaces achieved through specific shape and distance between core bubble structures. These boards come with a Matt Surface finish and both sides Corona treated with treatment levels above 42 Dynes for an excellent printability and adhesion.

They are made of Polypropylene, a clean, light, fully recyclable, eco-friendly material. They are designed to resist harsh weather conditions, do not tear, crack or chip-off and have an extremely great die-punch performance.

## POSSIBLE APPLICATION AREAS



# Rollup Standee

Standees play a significant role in marketing and are highly effective at exhibitions, conferences, trade shows & parties. They are lightweight, collapsible & come with a non-woven bag equipped with a shoulder strap, making them easy to carry and transport.

The base material, made of powder-coated GI or aluminum, ensures that roll-up standees are rust-free and durable. Additionally, the attached flex can be replaced for each new event, making them a reusable and cost-effective display solution.

Roll-up standees are an excellent way to effectively communicate your brand's offers and messages.

Size: 3 ft x 6 ft / 2.5 ft x 6 ft / 2 ft x 5 ft

Material: Powder coated GI & Aluminum Color: Black



## PROTECTION FEATURES



## PRODUCT INFO

Available GSM:	500 to 1500
Available Sizes:	6x4 / 8x4 (custom sizes available with defined MOQ)
Available Thickness:	2.2 mm to 4 mm
Available Colours:	White (custom colours available with defined MOQ)
Available Surface Texture:	Matte
Available Surface Treatment:	Corona Treated with Dyne value 42 and above on both sides

## CONVERSION TECHNIQUES

Direct Digital Printing on a Flat Bed UV Digital Printer | Screen Printing | Sheet fed Gravure Printing  
Pre-Printed Vinyl & Paper Pasting | Pre-Printed Film & Decorative Film In-line lamination

## COMPARISON OF ATTRIBUTES WITH OTHER AVAILABLE MEDIA

ATTRIBUTES	PP Flute Board	PVC Foam board/ Sunboard	Aerolam Bubble Guard Print
Flat Surface for aesthetic appeal	No	Yes	Yes
Tear or crack proof	No	No	Yes
Easy to crease and fabricate	No	No	Yes
Uniform strength	No	No	Yes
Water & Moisture Proof	Yes	No	Yes
Chemical Resistivity	No	No	Yes
Mechanical Stress Resistivity	No	No	Yes



## Our Brands



# Manglam Enterprises

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