

# PERSPEX<sup>®</sup>

## *Fabricate*



## The Perspex<sup>®</sup> Fabricate **Product Range**

We offer a wide range of products for the manufacturing sector including shop fitting, fabrication, roofing, furniture, vehicles, exhibitions and LED lighting. Our offering includes cast acrylic, extruded acrylic, ABS, PETG, PST and Polyprop, all of which are sourced from leading local and international manufacturers.

We strive to ensure that we have a suitable product for each project, whether its shop fitting units, exhibition stands or creative LED lighting. Perspex's technical staff will advise on the best solution for the job and explain the forming and fabrication capabilities of our material. All our products carry appropriate warranties.



## Perspex® Cast Acrylic

Aquaria | Architectural – Fittings & Features | Balustrades | Civil Aviation | Cladding | Fabricated boxes | Furniture | Interior décor | Lighting | Partitioning | POS | Signage | Skylights

Perspex Cast Acrylic is a consistent, high quality, durable material with excellent strength. It is available in clears, tints, opals and a wide range of colours. It can be laser, CAD or CAM cut; milled and drilled; cemented and assembled; screen printed and engraved; shaped and machined; thermoformed and bent; polished and routed; drape formed and pre-formed.

Optical grade acrylic sheet is used for clear and tinted vehicle wind screens as it is much lighter than glass but offers double impact resistance, uniform thickness tolerances and low internal stress levels for consistent performance. It also has excellent weatherability and can be easily cut, sawn, machined, thermoformed and cemented and available in aircraft aviation grade.

This versatile material can be:

- Laser, CAD or CAM cut
- Milled and drilled
- Cemented and assembled
- Screen printed and engraved
- Shaped and machined
- Thermo-formed and bent
- Polished and routed
- Drape formed and pre-formed

Perspex Cast Acrylic features:

- Exceptional light transmission with no inherent edge colour
- Excellent resistance to outdoor weathering
- High gloss, hard surface
- Good thermoformability
- Easy to clean
- UV Stability
- 17 x stronger than glass
- Fire retardant thermal properties ensure burning Perspex produces little smoke and does not promote the spread of fire. Cast Acrylic Fire Rating: Class 3
- Low density makes it lightweight and economical
- Can be cold bent within certain limits
- Fully recyclable
- Long lifespan
- Durable
- Good scratch and chemical resistance



Perspex® Opals



Perspex® Colours



Perspex® Frost



Perspex® Clear Sheet



Perspex® Impressions

## Perspex® Clear Sheet

Perspex Clear sheet is ideal for use in glazing applications as it transmits 92% of all visible light and is better than glass in this respect. It is half the weight of an equivalent sheet of glass and exceptionally strong, making it safe and more economic to transport and install. It has excellent weatherability; a high gloss, easy to clean surface; easy thermoformability and can be tinted.

## Perspex® Opals

Perspex Opal acrylic sheet offers a wide range of different light transmissions, from dense to highly translucent whites, and can reflect and diffuse light to create stunning visual effects.

## Perspex® Colours

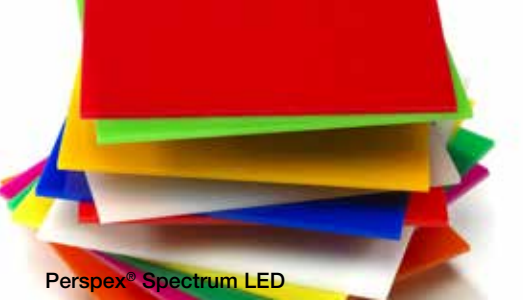
Perspex Colour sheet allows for artistic design interpretation. It can accurately project a company's brand or corporate identity as there is a wide range of options, from delicate tints, vivid primaries, to pastels and muted tones with exceptional depth, quality and consistency.

## Perspex® Frost

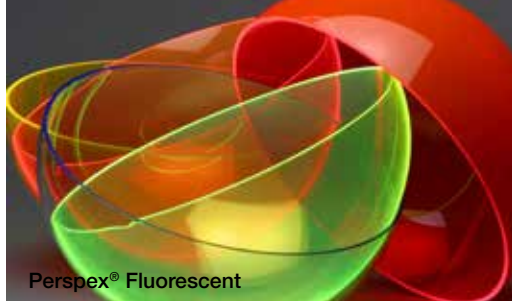
The frosted surface texture and light diffusing effect of this product provides a cool, contemporary feel. It is resistant to surface scratching, performs well in all weathers and is easy to cut, join, fabricate and thermoform. It is suitable for both internal and external applications.

## Perspex® Impressions

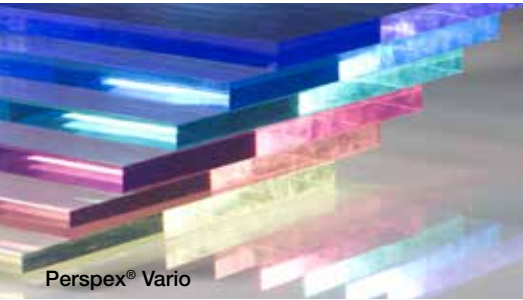
This acrylic sheet has a contemporary pattern that adds texture, making it ideal for innovative retail and interior trends. It is understated, with an informal elegance and is ideal for complementing and highlighting a wide range of merchandise on display.



Perspex® Spectrum LED



Perspex® Fluorescent



Perspex® Vario



Perspex® Coral



Perspex® Pearlescent

## Perspex® Spectrum LED

This product has been designed to provide optimised colour performance with both transmitted and reflected light using LED's and other light sources. Signs made from it are cost-effective and eco-efficient, giving bright and intense colour in daylight or when illuminated at night and eliminate 'hot spots'. An ideal material for any illuminated application including point POP, directional systems, interiors and architectural.

## Perspex® Fluorescent

Ideal for designing creative eye-catching point of sale displays. This acrylic sheet combines a delicate, transparent tint with a fluorescent edge effect for a modern look. Available in six colours and anti-reflective finishes.

## Perspex® Vario

A product with the same fluorescent edge as Perspex Fluorescent but in six lighter, pastel shades. Visual interest is maintained through changing light, shade and surface colour as the angle of vision changes, making it suitable for creative POS display units, interior signage, fittings, furniture and lighting.

## Perspex® Coral

As the name implies, this sheet is inspired by the visual effect of a coral reef. It is custom-made to customer requirements, making each installation completely unique. Textures are deep, rich, 3D in effect and pearly when illuminated.

## Perspex® Pearlescent

An acrylic with a soft, shimmering, metallic lustre developed for modern design and available in five shades including pearl, azure, candy, caramel, gold and platinum.



## Perspex® Extruded Acrylic

ATM's | Furniture | Interior décor | Lighting | Number plates | POS | Shop fitting | Signage | Windscreens

Perspex Extruded Acrylic, ultra high impact (UHI) and medium impact (MI) has properties similar to Cast Acrylic, but does not exhibit the excellent outdoor weathering properties as Perspex Cast Acrylic. MI Extruded Acrylic is available in clear and UHI in clear and opaque.

### Perspex Extruded Acrylic features:

- UV resistant so very weather resistant and suitable for outdoor applications
- Excellent colour stability
- Scratched surface easily polished
- Non-toxic fumes emitted in fire and easily extinguished with water. Extruded Acryl Fire Rating: Class 4
- Easily thermoformed and machined
- Highly transparent regardless of thickness
- Available in three levels of impact resistance : 25%; 50%; and 100%

## Perspex® ABS

Architectural – Fittings & Features | Automotive | Displays | Electrical containers | Fabricated boxes | Furniture | POS | Refrigerators & Coldrooms | Signage

Perspex ABS (Acrylonitrile butadiene styrene) is a thermoplastic that combines the strength and rigidity of acrylonitrile and styrene polymers with the toughness of polybutadiene rubber. It is suitable for indoor and extended outdoor use and pigments can be added to the raw material for colouration and UV stability.

### Perspex ABS features:

- Tough but light weight
- High rigidity and impact strength
- Excellent electrical insulating properties
- Easy to thermoform
- Can be printed, cut and glued
- Suitable for vacuum forming; bending and gluing; profile cutting; cut out letters
- Ideal for custom fabrications
- Easily recycled
- UV stabilisers can be added for extended outdoor use



## Perspex® PETG

Displays | POS | Signage

Perspex PETG (Polyethylene Terephthalate Glycol-Modified) is a thermoplastic sheet used in visual merchandising and engineering applications. It can be easily formed, diecut and punched and is coloured during processing if required.

### Perspex PETG features:

- Good optical properties and a brilliant surface
- Easy to vacuum form and needs no pre-drying
- Exceptional low temperature performance
- Low water absorption
- Easy to recycle
- Very good chemical resistance and very high impact properties
- Meets requirements for motorcycle helmet manufacture

## Perspex® PST

POS material | Refrigeration

Perspex PST is a High Impact Polystyrene sheet that can be vacuum formed, silk screened and machined. It is competitively priced and easily coloured. It is not recommended for extended outdoor use unless UV inks or UV vinyl are applied. Perspex PST is easily pigmented to achieve the colour you require.

### Perspex PST features:

- Lightweight with good impact resistance
- Easy to thermoform
- Can be printed, cut and glued
- Easily recycled
- Absorbs little moisture
- Odourless and tasteless, so suitable for food contact applications



## Perspex® Polyprop

Automotive | Chemical storage | Household containers | Packaging

Perspex SA manufactures both PPH (Polypropylene homopolymer) for general purpose use and PPC (Polypropylene copolymer) for high impact use.

Perspex Polyprop features:

- Low density so lightweight and economical
- Rigid, hard and strong with good impact strength
- Suitable for use in food contact applications

## About Perspex® South Africa

Perspex South Africa has been the market leader in the supply of quality cast acrylic products in sub-Saharan Africa for over 60 years. Our head office is located in Johannesburg, South Africa, and forms the hub of our operation. Our extensive national footprint includes sales offices and warehouses in Cape Town, Durban and Port Elizabeth, which also houses our extrusion manufacturing facility.

Our full product range ensures we have a product for every project or industry. It includes extruded acrylic, PETG, and Multiwall polycarbonate, all of which are supplied from reputable international manufacturers; and locally manufactured ABS, Acrylic Capped ABS, high impact polystyrene and high density polyethylene. Perspex SA's technical staff will advise on the best solution for the job and explain the forming and fabrication capabilities of our raw material. All our products carry appropriate warranties.

Perspex believes in pushing boundaries because we're passionate about plastic and the creative possibilities it presents. We love finding solutions that show off the endless creative potential the Perspex range of products offers.

## Perspex® Product Range:

Print | Fabricate | Create | Glaze | Sanware | Sign | Industrial | Chemicals

Unit 15, Lakeview Business Park  
No 3 Yaldwyn Road, Jet Park

Tel: 087 097 0111

Email: [orders@perspex.co.za](mailto:orders@perspex.co.za)

Web: [www.perspex.co.za](http://www.perspex.co.za)

**PERSPEX**  
Creatively inspired. Solutions driven