

**PERSPEX** SOUTH AFRICA

*Create*



## Create Product Range

We supply a full range of products in an exciting selection of colours and finishes for creative interpretation by architects, specifiers, interior designers, furniture designers, brand architects and graphic designers. It includes cast acrylic in a multitude of interesting effects, extruded acrylic, twin-wall and multi-wall polycarbonate, 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 it's creative flooring, attention-grabbing roofing or an imaginative piece of furniture. Perspex South Africa's expert sales and 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 | Flooring | Furniture | Glazing | Interior décor | Lighting | Partitioning | POS | Shop fitting | Signage | Skylights

Perspex® Cast Acrylic is a consistent, high quality, durable material and is the ultimate in design flexibility. It is available in clears, tints, opals and a wide range of colours and finishes. 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.

Our EcoShare IR product is reflective and has an innovative component distributed uniformly throughout the sheet that reduces heat penetration through windows & skylights. This results in lower energy costs and reduced environmental impact.

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:

- Exceptionally strong and highly durable with a long life span
- Impact and abrasion resistant so structures withstand wear and tear, even in the busiest areas
- Brilliant light transmission with no inherent edge colour
- Excellent resistance to outdoor weathering
- High gloss, hard surface
- Good thermoformability, allowing for intricate fabrication techniques
- Easy to clean
- UV Stability
- 17 x stronger than glass but half the weight
- 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 making it lightweight and economical
- Can be cold bent within certain limits
- Fully recyclable



Perspex® Cast Acrylic Opals



Perspex® Cast Acrylic Colours



Perspex® Cast Acrylic Frost



Perspex® Clear Acrylic Sheet



Perspex® Cast Acrylic Impressions

## Perspex® Clear Acrylic Sheet

Perspex® Clear Acrylic 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® Cast Acrylic Opals

Perspex® Cast Acrylic 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® Cast Acrylic Colours

Perspex® Cast Acrylic 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® Cast Acrylic Frost

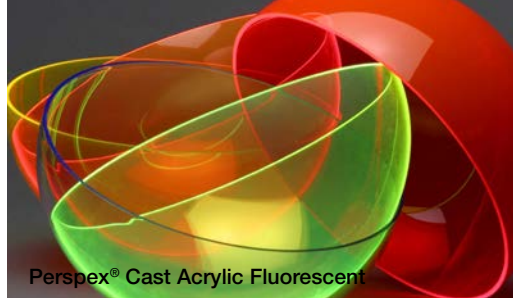
The frosted surface texture and light diffusing effect of this product provides a cool, contemporary feel. It is resistant to surface scratching, performs well in all weathers and is easy to cut, join, fabricate and thermoform. It is suitable for both internal and external applications.

## Perspex® Cast Acrylic Impressions

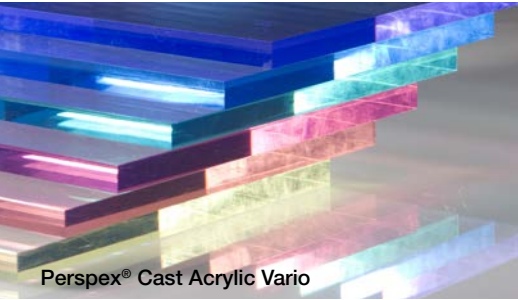
This acrylic sheet has a contemporary pattern that adds texture, making it ideal for innovative retail and interior trends. It is understated, with an informal elegance and is ideal for complementing and highlighting a wide range of merchandise on display.



Perspex® Cast Acrylic Spectrum LED



Perspex® Cast Acrylic Fluorescent



Perspex® Cast Acrylic Vario



Perspex® Cast Acrylic Coral



Perspex® Cast Acrylic Pearlescent

## Perspex® Cast Acrylic 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® Cast Acrylic 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® Cast Acrylic 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® Cast Acrylic 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® Cast Acrylic 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.



## Extruded Acrylic

Curtain walls | Dividers | Furniture | Glazing | Greenhouses | Interior décor | Lighting | POS | Shop fitting | Signage | Skylights

Extruded Acrylic, medium impact (MI) and ultra high impact (UHI), has properties similar to Perspex® 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.

### Extruded Acrylic features:

- UV and weather resistant so suitable for outdoor applications
- Excellent colour stability
- Non-toxic fumes emitted in fire and easily extinguished with water. Extruded Acrylic Rating: Class 4
- No carcinogenic or hazardous substances
- Food contact approved
- More transparent than glass with 92% light transmission and half the weight of glass
- Low haze at less than 1%
- Easily thermoformed and machined

## Multiwall Polycarbonate

Architectural – buildings | Awnings | Carports | Display windows | Exhibitions | Furniture | Greenhouses | Indoor pools | Interior décor | Partitioning | Passageways | Patios | Roofing | Signage | Skylights | Stages | Stairs and railings | Transportation

Polycarbonate double wall sheets add colour, interest and creativity to design projects from furniture to lighting to room separation or stage creation. This material is durable, flexible, provides both thermal and acoustic insulation and is available in a wide range of colours and thicknesses to provide a lightweight yet durable solution for architects, specifiers and designers.

### Multiwall Polycarbonate:

- Lets in natural light
- Thermal properties provide insulation, saving on electricity
- Can withstand harsh weather
- Creates a sense of openness and flow while maintaining stability and strength
- Durable and flexible (allows cold bending)
- Available as sheets or as a system solution
- Polycarbonate Glazing accessories also available to compliment the Multiwall sheeting
- Can be screen printed directly onto the sheet allowing limitless options for creating unique spaces
- UV protected to withstand harsh African climate
- 10 year warranty
- Polycarbonate is self-extinguishing



## Multiwall Sheeting

Cladding | Glazing | Greenhouses | Indoor pools | Interior décor | Roofing | Skylights

Polycarbonate multi-wall and Topgal sheeting allows architects and designers to create atmosphere and a sense of openness while protecting interiors from the elements. It is popular for projects that seek to make the environment part of the structure, for example public building and multi-use precincts.

### Multiwall Sheeting Features:

- Provides excellent thermal and acoustic insulation
- Allows controlled daylight transmission
- Virtually unbreakable
- Flame retardant and easy to install
- Lightweight
- UV protected through a co-extruded UV cap layer
- to provide protection from 99% of harmful UV rays
- 10 year warranty against yellowing and becoming brittle
- Self-extinguishing
- Environmentally friendly
- Topgal is a system solution and complete glazing accessories sold with the Polycarbonate sheeting



# ACM

Signage | POS displays | Shop fitting | Partitioning | Exhibition stands | Outdoor advertising | Wall linings | Suspended ceilings | Rain screen walling | External facades | Wall cladding | Roofing | Tunnel linings | Canopies

ACM is an aluminium composite sheeting that lends itself to creative design. This high quality, rigid yet light and stable material has a high UV resistance and is suitable for digital printing, screen printing, vinyl application, painting and cladding. It is simple to cut, router, fold and bend and is available in a wide range of colours.

Perspex SA supplies three types of aluminium composite sheeting including premium quality ACM, reduced weight ACM Lite and ACM XT.

#### ACM features:

- Lightweight but incredibly rigid
- Dimensionally stable
- Minimal expansion and contraction rates
- High UV resistance
- Flat, smooth surface
- Simple to cut, router, fold and bend
- Large colour range

#### The ACM Range includes:

##### ACM sheeting

A high quality composite panel composed of aluminium sheets sandwiching a Polyethylene core for creative display designs.

##### ACM Lite

Reduced weight aluminium composite panels for innovative projects where high load-bearing capacity is not required.

##### ACM XT

A cost effective exterior cladding solution with a long lasting, durable finish for curtain walling and inspired architectural facades.

## 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 South Africa'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.

We believe 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.

## Product Range:

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

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**PERSPEX** SOUTH AFRICA  
Creatively inspired. Solutions driven