

# PERSPEX



Distribution Ltd

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Tel: 01932 356 900

TO SEE OUR COMPLETE RANGE OF PRODUCTS GO TO [WWW.PERSPEX.CO.UK](http://WWW.PERSPEX.CO.UK)

PERSPEX® is a registered trademark of Perspex International Ltd.



MADE IN THE UK

## Flying the flag

for materials Made in the UK

# PERSPEX



Distribution Ltd

[www.perspex.co.uk](http://www.perspex.co.uk)





# We offer an unrivalled range of UK manufactured sheets

UK manufacturers are looking for materials produced locally. We have built up an enviable range of UK sourced substrates delivering quality, consistency and availability for your projects.

We are the ONLY trade distributor supplying this complete material range direct from UK manufacturing plants.

## UK MANUFACTURED PRODUCTS

- Perspex® Cast Acrylic
- Alupanel® Aluminium Composite
- Palight® PVC Foam
- Palsun® Polycarbonate
- Palclear® Solid PVC
- PetG

Our local supply chain ensures optimum quality control from raw material to end products as well as fast availability for special requirements – key in today’s fast moving market – supporting customer strategies for reliable stock availability from distribution partners.

- Local production and supply
- Reliable production
- High quality raw materials
- Fast turnaround for special colours and sizes

Perspex Distribution offer a single source supply of rigid plastics for fabricators, printers and designers, stocked and distributed from our five UK branches.

Visit [www.perspex.co.uk](http://www.perspex.co.uk) to view our full product range.

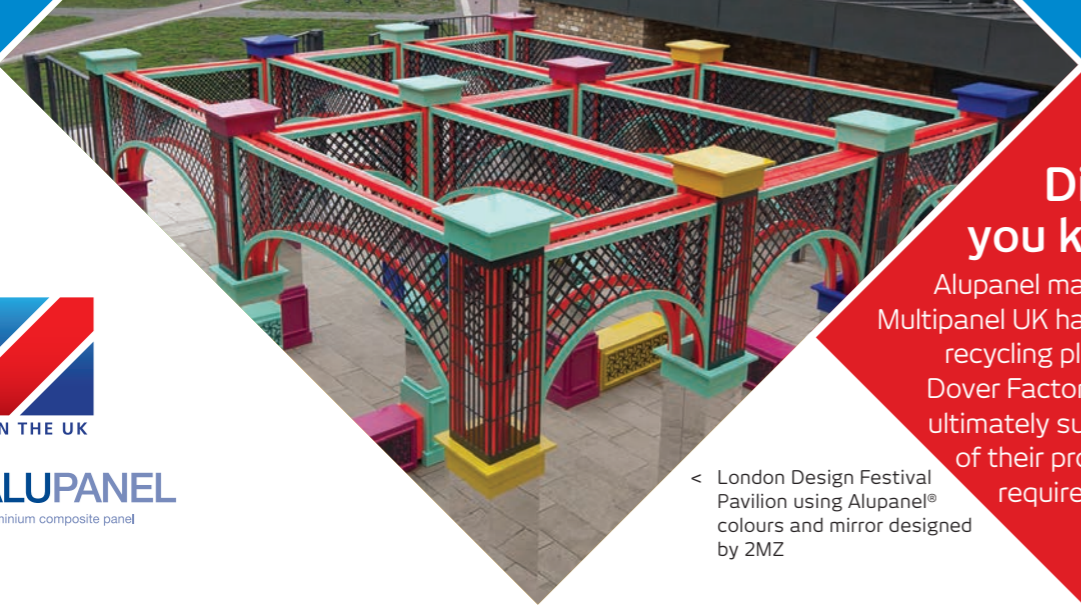


Cover images:  
Widd Signs - Marks and Spencer signage using Perspex® Spectrum LED  
Abplas - fabricating Covid-19 protection screens using Perspex® acrylic and Palsun® Polycarbonate

Alupanel® Aluminium Composite and Palight® PVC Foam ideal for wide format printing.



**Did you know?**  
Over 80% of our products are manufactured in the UK



### Did you know?

Alupanel manufacturers Multipanel UK have built an LDPE recycling plant at their Dover Factory capable of ultimately supplying 80% of their product core requirements.

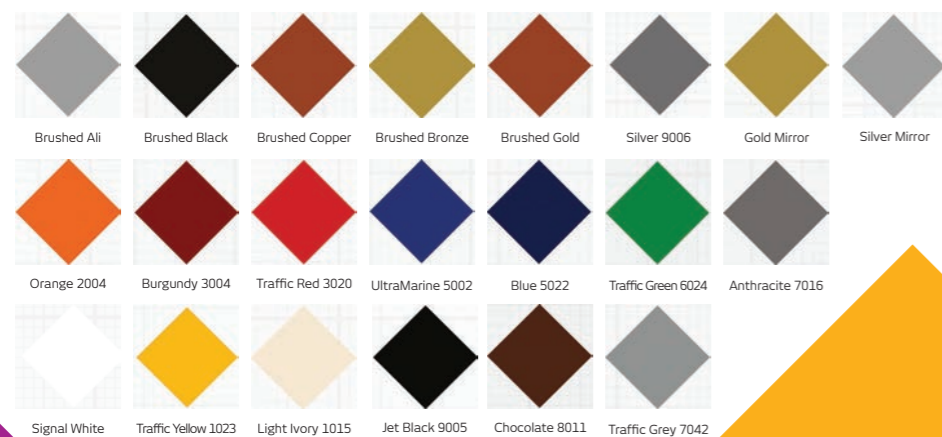
< London Design Festival Pavilion using Alupanel® colours and mirror designed by 2MZ

## Alupanel® Aluminium Composite

Manufactured in the UK's ONLY Aluminium Composite factory, Alupanel® provides a versatile solution for signage and display projects. Consisting of a polyethylene core and aluminium skin, this rigid substrate provides the perfect background for any print job.

	Product	Skin Thickness (mm)	Panel Thickness (mm)	Product Information
Fabrication Grade	ALUPANEL	0.3	3, 6	5 year warranty. Wide colour range in stock. Gloss/Matt.
Digital Print	ALUPANEL A-LITE DIGITAL	0.2	3	5 year warranty. Easy peel film with a fresh white digital surface. Matt/Matt.
Economical Fabrication Grade	ALUPANEL SMART	0.26	3	3 year warranty. Colour range available. Gloss/Matt.
Flat Applications	EURO-LITE	0.21	3	2 year warranty. Suited to hoarding boards or non-load bearing applications.
Temporary/Short Term Projects	TRANSPRINT ECONOMY	0.15	3	1 year warranty. Economical grade for short term flat applications.
Galvanised Steel Composite	MULTISHIELD	0.25	3, 6	5 year internal warranty. Magnetically receptive. Digital print or whiteboard paint finish.
<b>NEW SPECIALITY GRADES</b>				
Enhanced fire resistance	ALUPANELFR	0.3	3	New B1 fire rated panels for installations where increased safety standards demand it.
Certified for road traffic signage	ALUPANEL TRAFFIC	0.3 (P), 0.2 (T)	3	Permanent and temporary variants. High quality panel designed specifically for road traffic signage, certified to EN12899-1:2007.
Developed for new generation latex ink	ALUPANEL A-LITE LATEX	0.2	3	Specialist paint finish designed to provide improved ink adhesion for Latex inks.

### Alupanel® Colours



Made in Dover



## Palight® PVC

We stock UK manufactured Palight® PVC Foam made by Palram. Our sheets are flat, lightweight and available in thicknesses from 1mm to 25mm.

The range has now been extended to include Palight Re-Nu - a 100% RECYCLED PVC Foam also made in the UK.

	Product	Density gr/cm3	Panel Thickness (mm)	Product Information	
Premium Sheet	PALIGHT	0.57	1, 2, 3, 5, 6, 8, 10, 13, 15, 19, 25	High quality signs, graphics, displays and exhibits. All round print performance and multiple colours in range.	
NEW Digital Print White Grade	PALIGHT PRINT PLUS	0.52	3, 5, 10	A high-quality, light weight PVC foam sheet with a smooth, uniform surface and a NEW bright white base developed for large format print.	
Short Term Applications	PALIGHT PRINT PLUS LW	0.50	2, 3, 5, 10	Economical PVC Foam, easily cut and machined for various short term applications.	
Multilayered PVC Sheet	PALBOARD	0.62	2, 3, 5, 10	Combines scratch & impact resistant solid PVC surfaces together with a light-weight recycled PVC core. Its bright white, ultra smooth surface prints, cuts & fabricates exceptionally.	
<b>COMING SOON</b>	New 100% recycled PVC Foam	PALIGHT RE-NU	0.5	3, 5, 10	100% recycled PVC foam - a greener choice for your print products. Palight Re-Nu is made in the UK using 100% reground and recycled PVC.



Palight Re-Nu made from 100% recycled PVC

### Did you know?

Palram are committed to increasing their PVC print media made from 100% recycled plastic.

### Palight Colours



Made in Durham



## Perspex® Cast Acrylic

Perspex® acrylic has been manufactured in Darwen, Lancashire for over 85 years and remains the only Cast Acrylic manufactured in the UK.

Our Perspex® acrylic product range not only follows technical innovation but we also track colour trends and fashions to develop new stocked colours. In-house colour experts are on hand to develop bespoke colours and effects that can be matched to a pantone or sample.



Perspex® Clear Plastic > sculpture by Andrea Greenlees. Fabricated by Zone Creations. Photo: Wendell DeLana



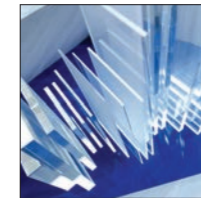
**It's all about the colour!**

The beauty of Perspex® cast acrylic is the flexibility to enjoy a multitude of colours, effects, thicknesses and finishes. No matter what colour you choose; each sheet will retain all of the exceptional quality performance characteristics of Perspex® acrylic, ensuring your designs can reach their full potential.

As part of the UK manufacturing group of Perspex® Cast Acrylic, we offer unrivalled access to the UK's largest range of cast acrylic.

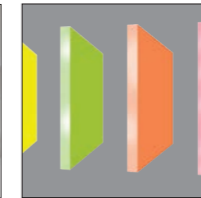
View hundreds of Perspex® acrylic colours in our online colour selector [perspex.co.uk/colour-selector](http://perspex.co.uk/colour-selector).

**Clear Cast**  
The original clear Perspex® acrylic sheet available from 1mm to 60mm.



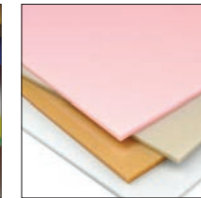
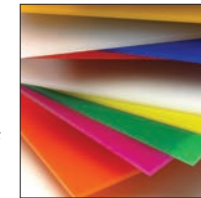
**Royals**  
A majestic range of 6 regal colours with a silk texture and metallic shimmer.

**Opal/Whites**  
Available in a variety of light transmission options, depending on your requirements.



**Highlights**  
Four eye catching Perspex® acrylic colours inspired by neon colour trends, developed for LED diffusion.

**Solid/Translucent Colours**  
An extensive palette of opaque and translucent colours.



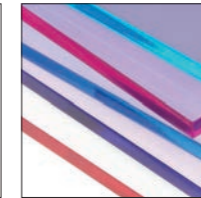
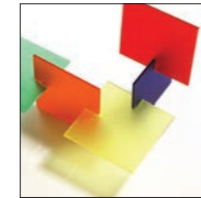
**Pearlescent**  
A deep, opulent product with a soft, shimmering effect.

**Transparent Colours & Tints**  
From subtle greys to vibrant reds, a range of colours that use natural light to bring them to life.



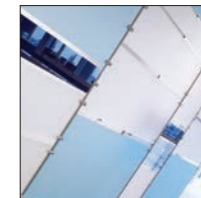
**Duo**  
A dual layer of either Gold or Silver which can be engraved to allow the black base colour through.

**Frost**  
A double-sided matt surface that is retained after thermoforming.



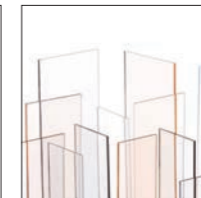
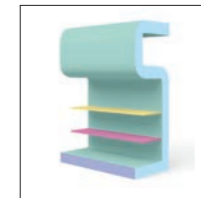
**Vario**  
Transparent colours with striking edges that produce variations in light and shade.

**Silk**  
A single-sided matt finish, available in clear, opal and a wide range of colours.



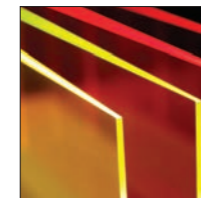
**Sparkle**  
Six colours brought to life by thousands of shimmering iridescent particles.

**Sweet Pastels**  
A collection of 9 pastel colours all designed in our own colour lab representing the latest colour trends.



**Metropolitan**  
Transparent sheet with a highly-defined neutral edge effect.

**Fluorescent**  
An eye-catching tinted sheet with a fluorescent edge.



**Light and Illumination**  
Optimised for LED illumination creating light sheet panels and vibrant colours.

**Did you know?**  
We recycle over 600 tonnes of production waste per year - this is distilled back to MMA and returned into the production process.



## Polycarbonate

Polycarbonate sheets deliver the transparency of glass at less than half the weight combining superior impact resistance and clarity, making it the material of choice for many demanding applications.

Polycarbonate can be fabricated and formed, ideal for applications such as barrel vault roofing, roof lights and glazing.

Clear, translucent or opaque polycarbonate sheets are also perfect for safety glazing applications.

High impact resistance up to 200 times the strength of glass, ideal for use in areas exposed to potential damage.

We stock a large range of opal sheet, with light transmissions ideal for illumination projects.

Class 1 fire rating ideal for internal projects.

Item	Description	Standard Sheet Size (mm)
PALSUN® UV2	Palsun® UV2 polycarbonate benefits from an integral, co-extruded layer of UV protection on both sides of the sheet and can therefore be used for external applications.  With a light transmission of 89%, the same as glass but at half the weight and 200 times the impact resistance, PALSUN® polycarbonate is ideal for use in areas exposed to potential damage or vandalism	3050 x 2050 2440 x 1220
PALSUN® OPAL	Palsun® Opal is available in a wide range of white tones and light transmissions. Ideal for lightbox applications. It diffuses light efficiently with maximum haze.	3050 x 2050 2440 x 1220
TEXTURED POLYCARBONATE	Textured sheets have an embossed or prismatic patterned finish on one side of the sheet to offer light transmission whilst obscuring vision for privacy glazing applications.	3050 x 2050
PALTUF®	Paltuf® is a general purpose, flat polycarbonate sheet best suited to indoor applications as the product has limited UV stability.	3050 x 2050 2440 x 1220
PALGARD™	Palgard™ has all the benefits of Palsun® polycarbonate but with an abrasion resistant coating applied post production. Extreme resistance to vandalism and chemicals.	3000 x 2000



**Did you know?**  
Palsun has been manufactured in the UK for over 20 years.



## Rigid PVC

Rigid, flat PVC sheet is easily fabricated and is compliant with the most demanding international fire resistance standards, rigid PVC sheet is self-extinguishing.

The gloss surface of rigid PVC sheet readily accepts screen and digital print inks as well as vinyl lamination.

Palclear® provides clarity along with its excellent physical properties meaning it is used in advertising, signage, glazing and guards.

Class 1 fire rated making it suitable for areas with high footfall.

Palclad Prime offers an easy to install wall cladding system for vibrant internal design with an impact resistant surface.

Item	Description	Standard Sheet Size (mm)
PALCLEAR®	Combines excellent impact strength with clarity and excellent resistance to chemicals. It is easily formed using various fabrication techniques whilst also being used for glazing applications.	2440 x 1220
PALOPAQUE	Palopaque Solid PVC is a high gloss white rigid PVC. It has an exceptional resistance to impact, chemical substances, stains and spills, which complement its aesthetic looks and easy maintenance.	3050 x 1220 2440 x 1220
PALCLAD PRIME	Palclad Prime is a cladding system consisting of solid PVC panels and various installation accessories that ensure a clean, professional installation. Smooth satin finish available in 14 designer colours.	3050x1220 2440x1220



**Did you know?**




Palclad has excellent fire resistance, ideal for a wall cladding as well as being receptive to direct print.



## Polyester

We source UK manufactured APET and PETG alongside additional supply from Europe. Easily formed and fabricated, polyester is ideal for applications such as point of purchase displays and street furniture. Good impact resistance and safe fire behaviour means polyester satisfies many safety and durability requirements. Polyester sheets deliver the transparency of glass at just over half the weight.

Being food approved as standard, according to FDA and EEC regulations, polyester is particularly suitable in areas where legislation would require it.

-  Easily processed - APET is the ideal product for flat and cold bending applications whilst PETG is the best choice for complex processing and detailed thermoforming.
-  Good transparency so when coupled with its impact resistance it can be used anywhere from machine guards to medical applications.
-  Food approved making it suitable for a range of applications from chocolate moulds to food product dispensers.




Item	Description	Standard Sheet Size (mm)
APET	APET sheet benefits from excellent processing properties and is easily screen printed with the appropriate inks. It has the benefit of being food approved as standard, according to FDA and EEC regulations.	2500 x 1500 2050 x 1250
APET AR	APET AR has a fine, matt texture on one side only. This surface finish is primarily to help avoid glare by reducing reflections.	2050 x 1250 2500 x 1250
PETG	Transparent PETG sheet has excellent processing properties and does not require pre-drying. With a light transmission of 90%, the same as glass, PETG is just over half the weight and has a superior impact resistance.  Coupled with an excellent fire rating, PETG is suitable for applications where more durability is required. PETG is also food approved as standard, according to FDA and EEC regulations.	3050 x 2050 2500 x 1250 2050 x 1250

Award winning 'Invisible Shed' fabricated by Floreeda Fabrications using Plaskolite acrylic mirror. >

We also supply substrates produced by leading supply partners out side of the UK including:

## Extruded Acrylic

Extruded acrylic sheet offers excellent thickness tolerance and is extremely easy to vacuum form, making it ideal for applications where complex shapes are required.

-  Outstanding clarity - 92% light transmission, higher than glass.
-  Range of special finishes including anti-reflective, impact modified and prismatic surfaces.
-  Plaskolite coloured acrylic mirror available in a range of colours.

Item	Description	Standard Sheet Size (mm)
CLEAR EXTRUDED ACRYLIC	Clear extruded acrylic has an exceptional light transmission superior to most other thermoplastic sheets. Used extensively for POS & fabricated applications, it is also available in anti-reflective and impact modified variants.	3050 x 2050 2550 x 2050 2440 x 1220
OPAL EXTRUDED ACRYLIC	Often used for lightbox applications, the light transmitted through the opal sheet offers maximum light diffraction.	3050 x 2050 2440 x 1220
GLASS LOOK EXTRUDED ACRYLIC	Provides the appearance of green tint glass, but at half the weight and five times its impact strength, offers the aesthetics without the associated risk of breakages.	3050 x 2050
PLASKOLITE ACRYLIC MIRROR	Made from extruded acrylic sheet, each mirror is protected by the industry's toughest, most durable backing. Stocked in silver, gold and a range of colours, it is half the weight and five times the impact strength of plate glass mirror so offers all the benefits without the associated risk of breakages.	3050 x 2050 2440 x 1220

## Polystyrene

General purpose and high impact polystyrene are rigid, lightweight thermoplastic sheets available in clear and a limited range of colours. With a wide temperature window the material can be formed into shapes with fine detail over short cycle times and with pre-drying rarely required.

Item	Description	Standard Sheet Size (mm)
GENERAL PURPOSE POLYSTYRENE	A transparent, rigid thermoplastic sheet with limited flexibility. The material is particularly suited to flat applications such as poster glazing.	2050 x 1425
HIGH IMPACT POLYSTYRENE	High Impact Polystyrene or HIPS is a polystyrene sheet with the added benefit of having up to seven times the impact strength of general purpose polystyrene.	Various sizes
HIGH IMPACT POLYSTYRENE MIRROR	An easily fabricated material with a high impact resistance. Suitable for thermoforming.	2440 x 1220