



DAKOTA

Bright Ideas

for signage, print & fabrication

PERSPEX



Distribution Ltd

www.perspex.co.uk



Cover images:
Signbox - Dakota Building.
Expert Perspex® acrylic fabrication
by Zone Creations.

< Inplas Fabrications -
Eleven Australia

PERSPEX

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Much more than just Perspex® Acrylic

The service from Perspex Distribution is much more than just the products we supply.

Cut to size sheets

All five Perspex Distribution branches offer cut to size panels using the latest optimisation program to help you get the most out of your order.

Availability

We keep large stock holdings of products so your sheets are available when you need them – fast.

Leading brands

We work with industry leading manufacturers – many based in the UK – meaning product expertise and a quick response to bespoke requirements.

Knowledge

We are specialist suppliers of substrates. By focusing on what we know best, our staff are well placed to offer the ideal solution for your projects.

Rigid Substrates

- Perspex® Cast Acrylic
- Polyester
- Rigid PVC
- Rod & Tube
- Extruded Acrylic
- Aluminium Composite
- Polystyrene
- Polycarbonate
- Foamed PVC
- Composite Plastics

LED Lighting

- BaltLED Modules
- Flexible Strip LEDs
- LED Light Sheet

Visit www.perspex.co.uk to view our full product range.



< 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.



Alupanel® sheets are manufactured with a pristine white surface, these completely flat sheets are optimised for all flat bed digital printers.



Weather resistant with an external guarantee up to 5 years - enables long standing installation inside and out.



Alupanel® is stocked in a wide range of colours with a dual sided gloss/matt finish for versatile display options.

	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. 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. Fresh white.
Temporary/Short Term Projects	TRANSPRINT ECONOMY	0.15	3	1 year warranty. Economical. Fresh white
Galvanised Steel Composite	MULTISHIELD	0.25	3,6	5 year warranty. Magnetically receptive. Digital or whiteboard finish

Alupanel® Colours





PVC Foam

We stock UK manufactured Palight® and Palfoam™ PVC Foam made by Palram. Our sheets are flat, lightweight and available in thicknesses from 1mm to 25mm. The constant white surface is an ideal background for direct printing.



We stock Palight® in a wide range of special designer colours, plus standard white matt or gloss finishes.



All products are Class 1 fire rated and ideal for internal installations.



Palight® Print Plus is our specialist light weigh PVC Foam with a NEW bright white surface developed for vibrant colour reproduction.

	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.
Light Weight Foam	PALFOAM	0.52	2,3,5,10	Economical print substrate for short term print or lamination applications.
Short Term Applications	TRANSPRINT FOAM	0.50	3,5	Economical PVC Foam, easily cut and machined for various short term applications.
Multilayered PVC Sheet	PALBOARD	0.62	3,5,10	Combines scratch & impact resistant solid PVC surfaces together with a light-weight recycled foamed PVC core. Its bright white, ultra smooth surface prints, cuts & fabricates exceptionally.

Palight Colours



White ST-10



Yellow ST-30



Red ST-50



Blue ST-70



Green ST-80



Grey ST-100



Black ST-90



Perspex® Cast Acrylic

We manufacture Perspex® Cast Acrylic and hold the UK's largest stock levels. Available in hundreds of colours, textures, effects and thicknesses, this versatile material is the go to product for illuminated signage, fabricated displays and high quality prints.



New colours for vibrant signage and displays with Perspex® Sweet Pastels and Perspex® Highlights.



We stock a wide range of Perspex® opal acrylic with various light transmissions ideal for lightbox illumination.



Perspex® clear cast is also widely used as a print substrate for projects requiring a wow factor.



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

Perspex® Light & Illumination Ranges

A new Perspex® acrylic optimised for LED applications.

Perspex® Light

A new collection of sheet products optimised for LED panel lighting applications. This range of products has been developed to enhance performance for edge lit and back lit panel lights.

Perspex® Edge - particulate filled transparent light guide panel developed to maximise light output for light panels using edge LED illumination.

Perspex® Diffuse - uses new generation opal diffuser technology suitable for use as a diffuser in both back lit and edge lit light panels.

Perspex® Illumination

Perspex® G-Lux - a transparent panel with a gloss finish containing particulate filled technology for superior light output. This allows for thinner light panels, optimised for diverse sign sizes with no need for laser engraving.

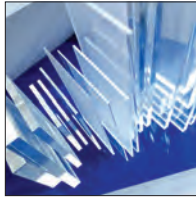
Perspex® Spectrum LED - acrylic colours have been specially formulated to give optimised colour performance with both transmitted and reflected light using white LEDs, ideal for hotspot free signage.

Perspex® Secret Sign - appears black when not illuminated and white when backlit.



Clear Cast

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

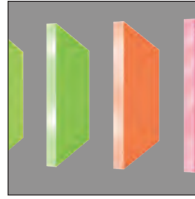


Royals

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.

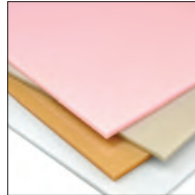


Highlights

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.

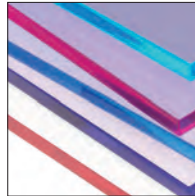
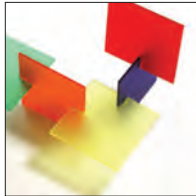


Duo

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.

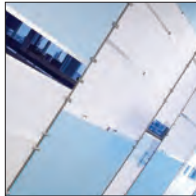


Vario

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.

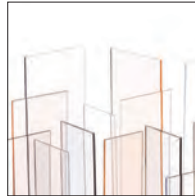
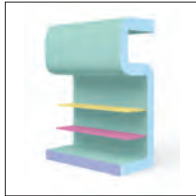


Sparkle

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.

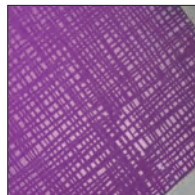
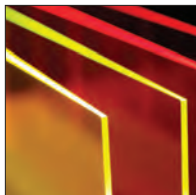


Metropolitan

Transparent sheet with a highly-defined neutral edge effect.

Fluorescent

An eye-catching tinted sheet with a striking fluorescent edge.



Impressions

A new contemporary textured panel

PEX

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

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






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




Polyester

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 processable - 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



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.



Good impact strength and chemical resistance providing a low maintenance solution for many varied applications.

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 wall cladding solutions offer quick and easy cladding installation with low on-going maintenance costs. 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

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

PERSPEX



Distribution Ltd

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