

GO GREEN

WITH PERSPEX DISTRIBUTION

We're working towards a safe and sustainable world.



WE'RE WORKING TOWARDS A SAFE AND SUSTAINABLE WORLD

At Perspex Distribution, we recognise that it requires a long-term commitment to minimise the impact of our products on the environment and contribute to a safe and sustainable world.

We pursue a policy of continuous improvement and are committed to use our product offering to make a positive contribution and to support customer and end user sustainability goals.

As part of our sustainability commitment we will:

- Focus on our innovative UK supply chain.
- Increase availability of recycled products across our range.
- Work with partners to collect offcuts and waste and support development of a closed loop solution for new recycled products.

Our material range contains a mixture of recycled products and virgin substrates developed for their superior technical properties.

Unlike single use plastics, our materials combine unique application properties to offer long term solutions to help solve many problems and create a safer environment for all of us to enjoy.

Our customers use our products for many positive applications.

- PERSPEX® acrylic is used to create precision medical equipment such as x-ray calibration equipment and manifolds used in dialysis machines.
- Marpet PETg Covid-19 protective screens used to protect key workers.
- Palsun Polycarbonate machine guards manufactured to create a safety barrier on industrial production lines.
- PERSPEX® VA protects priceless museum artefacts from harmful UV rays for future generations to enjoy.



COMPANY SUMMARY

Why choose Perspex Distribution as your preferred supplier?

Our products help to shape a greener, brighter and safer world...
all products are manufactured and produced with the environment in mind.

- Over 90% of our products are 100% recyclable.
- Over 80% of our products are manufactured in the UK – reducing lifecycle mileage and reducing CO2 emissions.
- We use optimisation software to ensure every order is cut efficiently to minimise wastage.
- Long life span – many products offer a 10 year warranty saving resources and reducing product replacements.
- We invest in our Fleet and have achieved Gold fleet status, verified by The Energy Saving Trust, for reducing our CO2 emissions with Masternaut.

As well as our range of recycled products, we believe that in many applications the benefits of a material with a long lifespan can outweigh the impact of a recycled product that requires regular replacements.

We take pride in our technical knowledge and all PDL staff are available to discuss the various material options available to you, including:

- products manufactured with 100% recycled materials – creating a new life for waste materials.
- materials that themselves can be 100% recycled.
- unique application benefits
 - high fire ratings for installations requiring certain safety specifications.
 - impact resistant plastics up to 200 times stronger than glass.
 - materials requiring food contact approval.



	Maximum Recycled Content				
	Recyclable	Standard Sheets	Green Range	Made in the UK	Life Span
PERSPEX® Acrylic	***	* (3%)	*** (100%)	***	***
Extruded Acrylic	***	** (25%)	*** (90%)	*	**
Aluminium Composite	**	*** (70%)	*** (80%)	***	***
PVC Foam	**	** (50%)	*** (100%)	***	*
Pet/G	***	** (25%)	** (50%)	***	**
Polycarbonate	***	** (30%)		***	**





PERSPEX® CAST ACRYLIC



The heritage of PERSPEX® acrylic goes back over 80 years.

Manufacture of PERSPEX® acrylic still takes place on the same site in Lancashire as the 1930's. This short supply distance to our UK customers helps reduce 'product miles' from manufacturing plant to end user.

Did you know every sheet of PERSPEX® acrylic contains recycled monomer waste collected during production and re-distilled to be returned to the manufacturing line?

Build to last – PERSPEX® is designed for long lasting applications with a weathering warranty of 10 years on many products. This reduces the requirement for regular replacements and ensures a long lifespan for the resources used.

Responsibly manufactured – produced with over 97% manufacturing efficiency, raw materials are used with minimal waste within the manufacturing process.

Creating a safer world – the properties of PERSPEX® cast acrylic make it ideal for many applications creating a better world. From medical manifolds, NHS intubation chambers, UV glazing or safety signage, PERSPEX® acrylic is everywhere keeping you safe.

- Perspex® is the opposite to a single use plastic - Perspex® acrylic is manufactured with UV stable molecules and retains its stability and transparency over time.
- Perspex® Acrylic is 100% recyclable - PMMA (cast acrylic) is an almost unique polymer in that end of life or waste products can readily be recovered to the original raw material - MMA monomer - and re-used in new sheet.
- Perspex International Ltd ensures that zero acrylic waste from its' sheet production sites goes into landfill. All acrylic waste is recovered and returned back into the production process.





100% RECYCLED

PERSPEX®re CAST ACRYLIC

Our new Perspex® Acrylic made from **100% recycled MMA**

PERSPEX®re is made from the depolymerisation of acrylic sheets and liquid waste offering an environmental solution with a high optical transparency, durability and UV stability – PERSPEX®re maintains the same properties as virgin cast acrylic.

- PERSPEX®re offers a 10 year external warranty thereby offering a truly beneficial long term sustainable product.
- Made using 100% recycled rMMA obtained from material scraps and waste, rMMA is gained from depolymerisation of waste using a cracking and distillation process achieving a high purity standard.
- This process can be repeated over and over again, saving raw materials and preventing waste long term.
- PERSPEX®re is stocked in 4 standard colours – Clear, Opal, White and Black.
- As with all PERSPEX® acrylic products, we also offer a bespoke colour matching service so PERSPEX®re can be produced in any colour and a range of bespoke thicknesses.



Colour	Code	Sheet Size	Light Transmission	Thickness (mm)		
				3	4	5
PERSPEX®re Clear	R000	3050 x 2030	92%	•		•
PERSPEX®re Opal	R050	3050 x 2030	41%	•		•
PERSPEX®re White	R141	3050 x 2030	5%	•		•
PERSPEX®re Black	R930	3050 x 2030	<1%	•		•





RECYCLED EXTRUDED ACRYLIC

Up to **90% recycled** content extruded acrylic sheet from waste.

- Produced from customer and production waste, our recycled extruded acrylic sheets contain between 70% to 90% recycled content.
- Available in a range of thicknesses and produced in a clear finish with 92% light transmission.
- The sheets can be used both indoor and outdoor and offer outstanding chemical resistance and long-time resistance to weathering enabling a long service life.
- Extruded acrylic offers excellent thickness tolerance and is extremely easy to machine or thermoform.
- Ideal for direct print, POS and glazing applications.





ALUPANEL ALUMINIUM COMPOSITE



UK Manufactured Aluminium Composite with at least **80% recycled** content.



Manufactured in the UK's ONLY Aluminium composite factory, Alupanel® provides a versatile solution for signage and display projects.

- Alupanel sheets are manufactured with at least 80% recycled content.
- The Low Density Polyethelyne (LDPE) used to produce the core of Alupanel aluminium composite is 100% recycled.
- Alupanel is manufactured in the UK thereby greatly reducing the carbon footprint of distribution to you compared to alternative brands.
- Standard Alupanel is produced with a 5 year warranty, enabling long term installations without the need for regular replacements.
- Speciality grades such as Alupanel Traffic offer a 12 year external warranty.
- Alupanel® is 100% recyclable at the end of life.





PALIGHT PVC FOAM



We stock a large PVC Foam range that now includes Palight Re-NU - a **100% recycled** PVC Foam!

Our PVC Foam range contains a selection of product options containing a high recycled content:

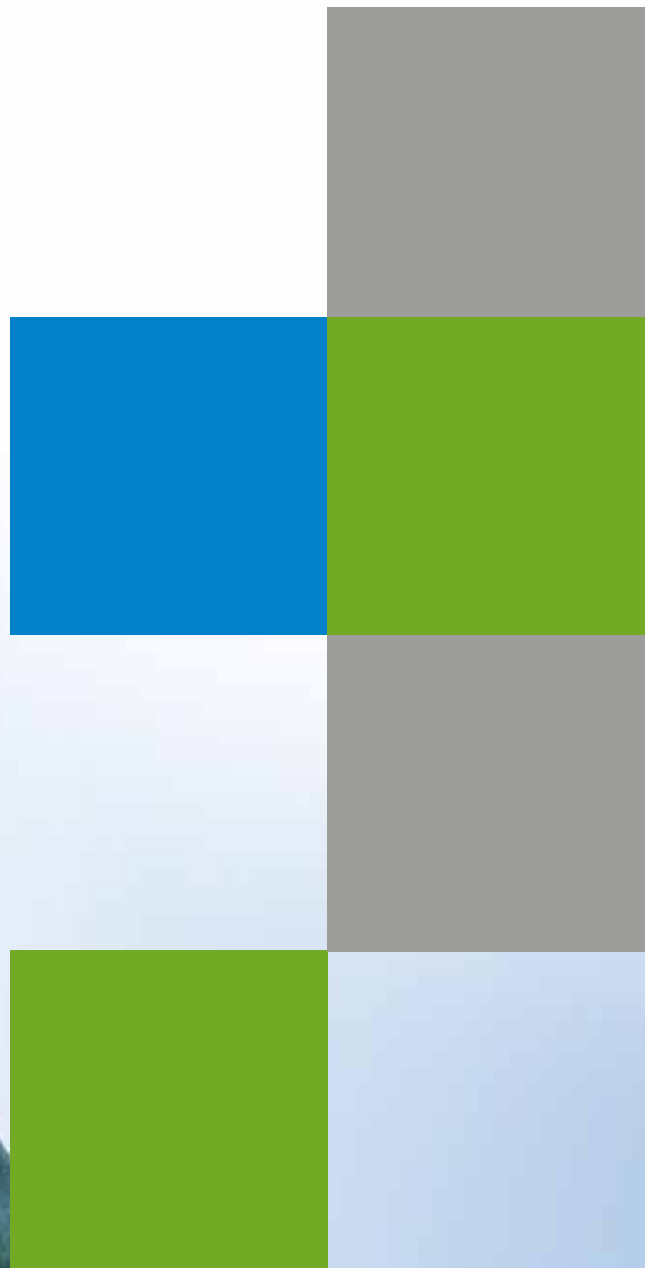
- **Palight® Re-NU** is a new 100% recycled PVC Foam made in the UK.
 - Manufactured with 100% reground and recycled PVC collected in the UK.
 - Co-extruded sheet with a hard, smooth, white print surface.
- **Palboard** co-extruded PVC sheets contain up to 50% recycled material.
- **Palight PVC Foam** uses up to 30% recycled material.
- Production waste is less than 1% and all products are re-grindable and recyclable when reaching the end of their life.
- The majority of our PVC Foam is manufactured in Palram's manufacturing facility in the north of England thereby greatly reducing the carbon footprint of distribution via PDL.

Palram is a committed member of VinylPlus, the voluntary sustainable development program of the European PVC industry.

Being a VinylPlus member guarantees that Palram's products are recyclable, that they maintain a green production process, and it reassures our customers that our PVC products are produced using reground vinyl. PVC is one of the thermoplastic polymers that are easiest to regrind, reuse and recycle.



Made in Durham





MARPET-G FS PETg ECO



UK Manufactured PETg with at least **50% recycled** content

Marpet-g FS is a clear, transparent PETg offering excellent strength to weight ratio, and ease of thermoformability particularly at low temperatures.

Manufacturers, Brett Martin, have invested in an onsite wind turbine & dedicated 35 acre solar farm to power their factory. Overall over 50% of their energy is from sustainable sources through the wind turbine, solar farm and green tariffs.

- Minimising on-site waste and reusing production waste is a priority of the manufacturing plant. Marpet-g FS Eco contains at least 50% regrind and reduces the amount of PETg waste that goes into landfill.
- Marpet-g FS Eco can be processed in the same way as standard Marpet-g FS Eco so is an excellent choice for users seeking a sheet with a higher recycled content.



Made in Belfast

Photos:
Brett Martin Solar Farm and Wind Turbine, Co Antrim, Northern Ireland.





100% RECYCABLE

PALSUN POLYCARBONATE



We stock UK manufactured Palsun polycarbonate made by Palram. Palsun Polycarbonate delivers the transparency of glass at less than half the weight.

- Manufactured in the UK.
- Up to 30% recycled content within the sheet.
- Lightweight alternative to glass therefore reducing transport costs and emissions.
- At 200 times the strength of glass, Palsun is ideal for glazing applications protecting property or artefacts from vandalism.



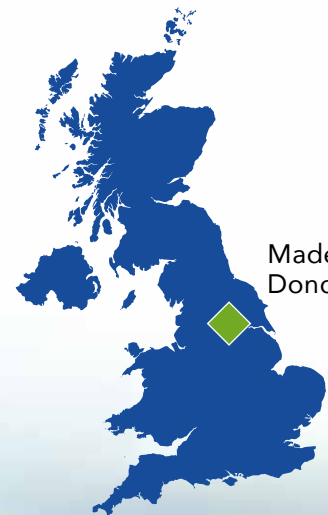
100% RECYCABLE

RIGID PVC



Our flat, rigid PVC sheets are easily fabricated and compliant with the most demanding fire resistance standards.

- Manufactured in the UK.
- Up to 30% recycled content within the sheet.
- High impact strength offering.
- Manufactured in Durham, rigid PVC has excellent fire resistance and is ideal for wall cladding in high footfall locations.



Made in
Doncaster



YOUR LEADING SUPPLIER OF UK MANUFACTURED SUBSTRATES FOR PRINT

PERSPEX
Distribution Ltd
www.perspex.co.uk

Our UK Manufactured Products

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



Perspex® Cast Acrylic

Hundreds of colour variants available from stock.



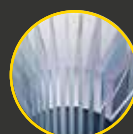
Alupanel Aluminium Composite

The only UK manufactured ACM including A-Lite for direct print.



Palight PVC Foam

Premium PVC Foam with a pristine white print surface.



Marpet-G PETg

UK manufactured PETg for print and fabrication.

Over 80% of our materials are made in the UK.
Find out more - www.perspex.co.uk

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