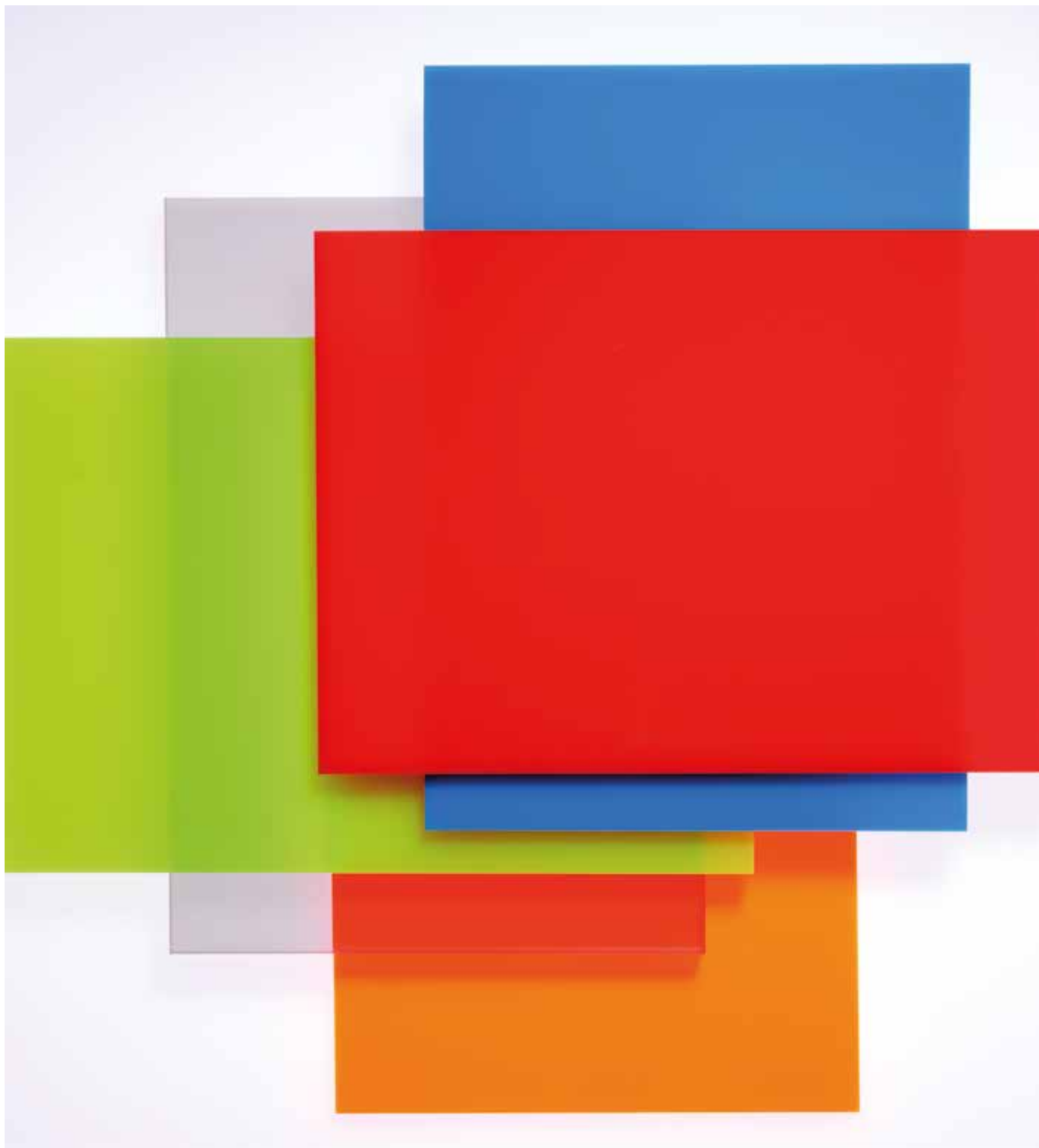




PRODUCT GUIDE

CAST ACRYLIC SHEET WITH LIMITLESS COLOUR AND TEXTURE OPTIONS.





Illuminated Colour Wall of the London HQ of The Engine Group, England | Designer: Jump Studios | Fabricator: Acrylicize | ©Photographer: Nikhalesh Haval

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©Ino-Plaz, UK | Artwork Installations: Sarah Daniels, Studio Eleven Exhibition

PERSPEX®

PERSPEX® acrylic sheet is recognised as a premium product, one of the best quality acrylic materials in the world. Continuous innovation over the past years has resulted in the creation of a wide spectrum of products. These innovative materials are widely used in various areas of application such as architecture, visual communication, shopfitting, furniture construction, and lighting. The versatility of PERSPEX® acrylic sheets offers international designers a valuable source of inspiration.

The acrylic sheets are available in standard thicknesses from 1 to 50 mm as well as in a variety of different colours, tints, textures and effects. Experts at the in-house laboratory can match almost any colour for unique design concepts. They can also combine colours or create new bespoke hues tailored to customer requirements.

Sustainable involvement and environmental protection have always been amongst the essential corporate objectives at 3A Composites. The minimisation of risks for man and environment as well as the reduction of environmental pollution through careful and efficient utilisation of resources is part of the corporate philosophy.

At our PERSPEX® production site in Darwen, UK (certified in accordance with the Management Systems for Quality DIN EN ISO 9001 and for the Environment DIN EN ISO 14001), we are committed to reducing energy consumption and carbon dioxide emissions. A production efficiency of 97 % in our manufacture of acrylic sheets at the plant means we are able to make optimal use of raw materials and reduce waste during the manufacturing process. Numerous different investments have already been made to lessen the impact on the environment. Annual water consumption has been reduced by 24 million litres, and almost 800 tonnes of carbon dioxide have been saved every year as part of a hot water recycling project. By the end of 2023, the construction of a new, modern and energy-efficient production plant should be complete. This new production plant will offer state-of-the-art polymerisation technology and fulfil the most recent environmental standards to ensure sustainable and ecological production processes. Compared with current manufacturing processes, significant reductions in both energy and water consumption will be possible. Facilities for processing and using rainwater are just one of the new buildings' advantages. In addition, the installation of a heat recovery unit converts waste heat from production into room heating.

PERSPEX® acrylic sheets are produced according to DIN EN ISO 7823-1 and do not contain any toxic materials or heavy metals, which may cause environmental damage or health risks. In addition, PERSPEX® acrylic sheets are only half the weight of glass. Due to weight savings, transport costs are lower and less carbon dioxide is emitted.

Read more about our commitment to sustainability starting on page 8.

PERSPEX® – CAST ACRYLIC SHEET WITH LIMITLESS COLOUR AND TEXTURE OPTIONS.

PERSPEX®

CELL CAST ACRYLIC WITH LIMITLESS COLOUR AND TEXTURE OPTIONS.

CHARACTERISTICS

- Optical transparency (92% light transmission for clear sheets)
- High impact resistance
- Half the weight of glass of equivalent thickness
- UV-resistant
- Good thermal stability
- Low water absorption
- Easy to handle
- Perfect transparency for display applications
- Broad thickness range (1 to 50 mm)
- Wide range of colours, tints, textures and effects

APPLICATIONS

- Displays (POS/POP)
- Signage | Lettering
- Corporate Identity
- Shop design | Shop window decoration
- Interior design | Furniture
- Partitions | Cladding
- Exhibition design and construction
- Model making
- Lighting | Light boxes
- Illuminated letters
- Glazing
- Food contact approved

PROCESSING

- Digital printing
- Screen printing
- Laminating
- Painting | Spray painting | Lacquering
- Contour milling
- Laser cutting
- Water jet cutting
- Sawing
- Punching
- Gluing
- Drilling
- Riveting
- Screwing
- Thread cutting
- Folding (V-groove) | Cold bending
- Hot bending
- Thermoforming
- Engraving
- Polishing

Please note:
Some product versions may have special processing options. For more details on any of the products featured in this brochure, please contact our technical team. The colours printed may vary from the original. To ensure exact colour matching please ask for a colour sample.



School amphitheatre made of PERSPEX® Frost, Australia
©Photograph: Pavan Consultants / Mitchell Plastics



PERSPEX® booth at Euroshop 2014 Dusseldorf, Germany

GENERAL			
Property	Method	Unit	PERSPEX®
Density	ISO 1183	g/cm³	1.19
Water absorption 24h/23°C – 50x50x4 mm³	DIN EN ISO 62 Method 1	%	0.2
Rockwell hardness	ISO 2039-2	MPa	102
Forming temperature air pressure		°C	140 – 175
Forming temperature vacuum		°C	140 – 175
Shrinkage	ISO 7823-1, Annex A	%	2
MECHANICAL			
Property	Method	Unit	PERSPEX®
Tensile strength	ISO 527-2	MPa	75
Elongation at break	ISO 527-2	%	4
Tensile modulus	ISO 527-2	MPa	3400
Flexural strength	ISO 178	MPa	116
Flexural modulus	ISO 178	MPa	3210
Impact strength Charpy unnotched	ISO 179-1	kJ/m²	15
Impact strength Charpy notched	ISO 179-1	kJ/m²	2
OPTICAL			
Property	Method	Unit	PERSPEX®
Light transmission (3 mm clear transparent)	DIN 5036-3 / EN ISO 13468-2	%	92
Refractive index	ISO 489	n ^D ₂₀	1.492
Total solar energy transmission (g-value)	DIN EN 410	%	85
THERMAL			
Property	Method	Unit	PERSPEX®
Vicat temperature (B 50)*	ISO 306	°C	110
Specific heat capacity	ISO 11357-4	J/gK	1.47
Linear thermal expansion α	DIN 53752	mm/m °C	0.07
Thermal conductivity	DIN 52612	W/mK	0.19
Service temperature continuous use		°C	80
Max. temperature short term use		°C	90
Degradation temperature		°C	>280
ELECTRICAL			
Property	Method	Unit	PERSPEX®
Surface resistivity	IEC 60093	Ω	>10 ¹⁴
Volume resistivity	IEC 60093	Ω x m	>10 ¹⁵
Electrical strength	IEC 60243-1	kV/mm	15
Dielectric strength	IEC 60243-1	kV/mm	30
Dielectrical dissipation factor 50 Hz	DIN 53483-2		0.06
Dielectrical dissipation factor 1 KHz	DIN 53483-2		0.04
Dielectrical dissipation factor 1 MHz	DIN 53483-2		0.02
Relative permittivity 50 Hz	DIN 53483-2		2.7
Relative permittivity 1 KHz	DIN 53483-2		3.1
Relative permittivity 1 MHz	DIN 53483-2		2.7
OTHERS			
Property	Method	Unit	PERSPEX®
Fire performance	CPD 305/2011 DIN EN 13501-1		E, no burning droplets
Fire resistance	UL94		HB
Contact with foodstuff – GHP	EU directive 1935/2004 VO 10/2011		Conform

* = Pre-treatment: 16 h at 80°C
Note: These technical data of our products are typical ones; the actually measured values are subject to production variations

SUSTAINABILITY

MISSION: TOGETHER. RESPONSIBLE.

Sustainability is at the core of everything we do. Our corporate ecological commitment is summed up by the **MISSION: TOGETHER. RESPONSIBLE.** As we also apply and comply with this mission in regard to our products, we have created a classification system. The five different categories in our **FIVE-DOT-MISSION** system indicate the factors with the greatest impact on sustainability. Our intention is to offer our partners guidance with their purchasing decision-making and to provide a transparent system. A system which focuses on the use of materials, the CO₂ content, the product life cycle and, of course, recycling, a topic of particular relevance for our products. Our FIVE-DOT-MISSION makes an assessment of a product on the basis of five categories and awards points per category, the product is then assigned to one of the five coloured DOTs. By this means we achieve a transparent, quick valuation logic which we can also use to gauge product innovation and improvement at 3A Composites.

THE FIVE-DOT CATEGORIES ARE:



1. BIOBASED CONTENT

Depending on the product, different raw materials are used to manufacture our panels. In this case, we look at the percentage of renewable raw materials used in our products. Our aim is to increase the percentage whenever possible and appropriate.



2. RECYCLED CONTENT

The industry selects recycled raw materials for use in the manufacture of new products which also fulfil requirements such as fire ratings, processing prerequisites and customer expectations in terms of functionality and appearance. This category is where we gauge the proportion of high quality recycled raw material in our products' total material input.



3. FOSSIL CO₂ BOUND IN THE MATERIAL

This category shows the weight of fossil CO₂ embedded in our panels. Differences here are principally due to the raw material type and origin, the density, the composition and the proportion of recycled content.



4. PRODUCT LIFE CYCLE

The plastic sheets and composite panels we produce are used by our customers for a longer period of time. In contrast to products used in the short term, these longer-term alternatives make an active contribution to saving resources. In this category we show our panels' average service life. Material properties result in disparities, so life cycles range from <1 year to even >30 years.



5. RECYCLABILITY

One of the most important aspects of sustainability is contributing to environmental protection by saving valuable raw materials and avoiding waste. Unlike the second category "recycled content", in this assessment category, we show options for recycling the panels after they have been in use. There are already, for instance, established recycling loops for paper and metals. At some production sites, the material can already be returned, so that material for new panels can be created from it. As a company, we came to the conclusion that thermal recycling does not seem sustainable enough, so it is not included in our FIVE-DOT classification. Instead, we are actively working with partner companies to establish a closed-loop, sustainable and future-oriented recycling economy.

As many as 3 points can be achieved in each of the categories presented, totalling a maximum of 15 points. According to the total number of points achieved (1-15), the FIVE-DOT classification is conducted using the following colour gradation.



1 – 4



5 – 6



7 – 8



9 – 10



11 – 15

Transparency is important to us! We will review the product assessment annually to see in which areas the product can be improved. We have set ourselves the goal of achieving the majority of our sales with products which achieve a rating of ≥ 7 points in the FIVE-DOT classification by 2030.

Join us on our sustainable mission!

missionTM
TOGETHER. RESPONSIBLE.

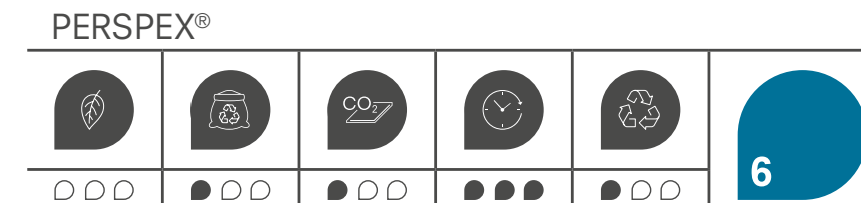


A range of sustainable, seasonal homewares laser cut from PERSPEX® | ©Design by Iszi Designs – www.iszidesigns.co.uk

SUSTAINABILITY

PERSPEX® FIVE-DOT-MISSION

PERSPEX® acrylic sheet, one of the best quality acrylic materials in the world, has been assessed in line with the criteria described above. The product currently achieves a FIVE-DOT classification with a total of 6 points.



RECYCLED CONTENT

The current production of our PERSPEX® cast acrylic sheets already contains a proportion of recycled MMA material. The majority of this material is waste from the manufacturing process which can be completely recycled by means of pyrolysis to provide raw material (MMA) for new acrylic sheets. Furthermore, all raw materials used in making our PERSPEX® sheets also comply with the requirements of the most recent version of the European Union Chemicals Regulation (REACH). In particular, PERSPEX® sheets do not contain any of the substances listed in the current version of the ECHA Candidate List of Substances of Very High Concern (SVHC). PMMA does not contain any toxic substances or heavy metals which may cause environmental damage or pose risks to health.



FOSSIL CO₂ BOUND IN THE MATERIAL

Owing to the MMA used as a raw material in the manufacturing process, PERSPEX® contains fossil carbon. However, thanks to its lower density, PERSPEX® PMMA contains less fossil carbon per m² than other transparent plastics. As well as the lower density, another factor to note is that, compared with other plastics, the polymer molecule contains a lower percentage of carbon atoms.



PRODUCT LIFE CYCLE

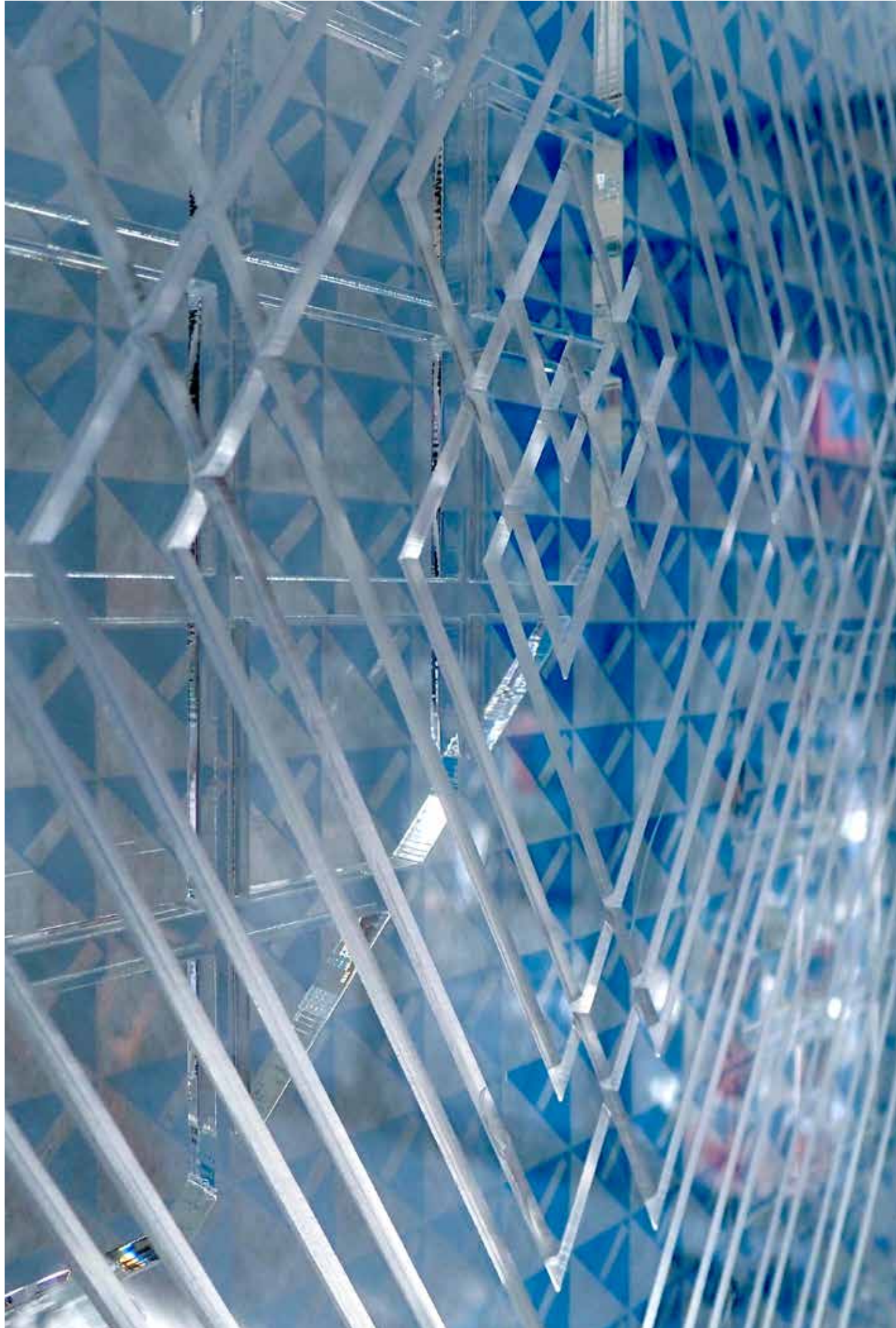
Acrylic glass (PMMA) is a robust, highly transparent and extremely durable material featuring excellent UV stability and resistance to weathering and ageing. We guarantee a service life of thirty years (transparent sheets) as well as ten years (standard colours) for the PERSPEX® product family. The sheets are protected

against the harmful effects of ultra violet rays and there are no significant changes with regard to optical or mechanical properties. When processed, used, and cared for in an appropriate manner, the life cycle of our sheets can be considerably longer than ten years. An extended service life also leads to saving resources as fewer replacements are required. Our PERSPEX® sheets are used in a wide variety of interior and exterior applications where priorities include durability, UV stability and, above all, transparency (92% light transparency for colourless sheets). PERSPEX® is a product offering sustainable, long-term use and excellent product performance.



RECYCLABILITY

PERSPEX® sheets can be converted back into their original raw material, methyl methacrylate (MMA), using various recycling processes. Most modern recycling processes convert PMMA sheets or waste from production processes into a MMA liquid monomer using chemical recycling (depolymerisation). The recovered MMA can then be reused to create a new product from an existing one. Renowned chemical companies are currently undertaking intensive research into improved depolymerisation technologies to achieve a more efficient and sustainable means of recovering the precious raw material MMA, which is used in manufacturing PERSPEX® acrylic sheets. These developments support efforts made by the market to increase the rate of PMMA recycling in Europe.



©Ino-Plaz, UK | Artwork Installations: Sarah Daniels, Studio Eleven Exhibition

PERSPEX® ACRYLIC SHEET

Since 1934 a piece of acrylic caused a revolution in the world of design. It might not seem like the most radical of breakthroughs in a world where we can talk to people on the other side of the world from a device that fits in our pocket, but like so many of the best inventions its simplicity was what made it so brilliant. It offered a whole new world of possibilities to designers from all industries and made PERSPEX® brand a household name almost overnight.

Today PERSPEX® acrylic offers the sign maker endless opportunities with colour - from the vast array of tints and hues available, to precise colour matching, batch-to-batch consistency and stringent manufacturing controls.

The beauty of PERSPEX® sheet is its versatility, so no matter how complex or creative your project, PERSPEX® acrylic can push your ideas to the limits and turn ordinary into the extraordinary. Not only is PERSPEX® acrylic incredibly tough and lightweight (half the weight of equivalent glass and five times stronger), it can also be easily laser cut, thermoformed, cold bent and polished. The possibilities are endless – just like your imagination.

PERSPEX® sheets are available in thousands of different colours; the most popular ones are divided into standard acrylic sheet ranges:

- **PERSPEX® Clear.** The original clear PERSPEX® acrylic sheet is available in different thickness (from 1 mm to 50 mm).
- **PERSPEX® Opal/White** – available in a variety of light transmission options, depending on your requirements.
- **PERSPEX® Solid & Translucent Colours** – an extensive palette of opaque and translucent colours.
- **PERSPEX® Transparent Colours and Tints** – from subtle greys to vibrant reds, a range of colours that uses natural light to bring them to life.



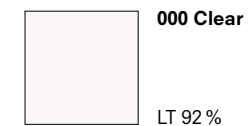
PERSPEX® CLEAR

CAST CLEAR ACRYLIC SHEETS WITH IMPRESSIVE LIGHT TRANSMISSION.

Transmitting 92% of all visible light no other product offers better light transmission – not even glass. Add to this its excellent resistance to outdoor weathering, its high tensile strength and rigidity, light weight and good resistance to impact. PERSPEX® Clear is the product of choice for applications requiring critical visual performance and durability. PERSPEX® acrylic is only half the weight of traditional glass and five times as strong.

Key properties of PERSPEX® Clear:

- A high gloss, hard surface – PERSPEX® acrylic is one of the hardest thermoplastics and remains aesthetically attractive for much longer than any other plastic sheets
- PERSPEX® acrylic is internationally recognized as a safety glazing material meeting the requirements of ANSI Z.97 and BS 6262
- The high gloss surface of PERSPEX® acrylic makes it easy to clean
- Easily thermoformable
- PERSPEX® acrylic is an efficiently produced, non-toxic pure material with a long service life.



LT = Light transmission % for 3 mm thickness (unless otherwise stated).



Virtual concept store vision 20|30, UK | www.20-30.vision | ©Floreedda Fabrications Ltd



PERSPEX® OPAL / WHITE









COLLECTION OF WHITE COLOURS – OPAQUE OR OPAL.

From solid whites to translucent opals, and with a wide range of light transmission values, PERSPEX® acrylic offers a huge range of options.



Whether you are looking to create a dense white facia, a bright eye-catching sign, a light-box or even a soft lighting feature, PERSPEX® Opals can refract and diffuse light to create stunning visual effects.

PERSPEX® Opals / Whites carry the full range of benefits such as ease of fabrication, excellent surface hardness, durability and colour consistency from one sheet to the next. Add to this the huge range of available light transmission options, then the PERSPEX® Opal / White range is perfect for any application.

OPAL / WHITE

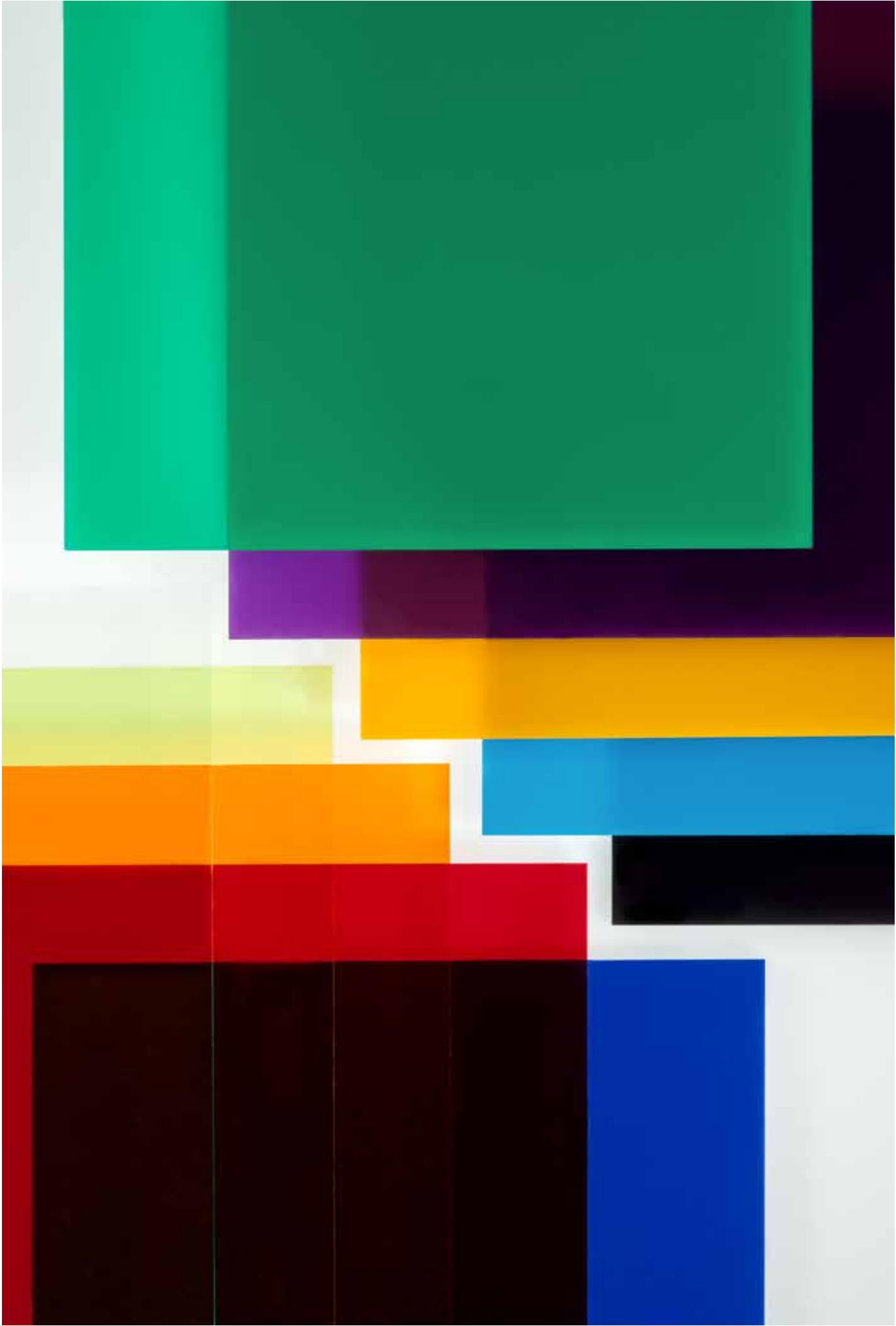
 1212 LT <1 %	 069 LT 9 %	 1T67 LT 21 %	 028 LT 25 %
 1T04 LT 30 %	 050 LT 36 %	 040 LT 46 %	 030 LT 67 %

SPECTRUM LED

 1TL1 LT 36 %	 1TL2 LT 48 %
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LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including “T” have constant light transmission overall thicknesses.



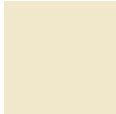


























PERSPEX® SOLID AND TRANSLUCENT COLOURS

OUR COLOURFUL VARIETY – SOLID AND TRANSLUCENT COLOURS.

Colour is at the very heart of the PERSPEX® brand, and as a designer, can help you fully express your creativity. From vivid yellows to sophisticated blacks, PERSPEX® Solid and Translucent Colours can give your project the best chance of standing out and being noticed – whether it’s a sleek storage unit, a specialist point of sale display or a completely new corporate identity. Whether you’re commissioning a signage programme for a multi-national chain of restaurants, or refreshing the local village deli – we can deliver guaranteed performance in the colour you want, and thanks to our flexible production process, in small or large quantities adapted to your project needs.

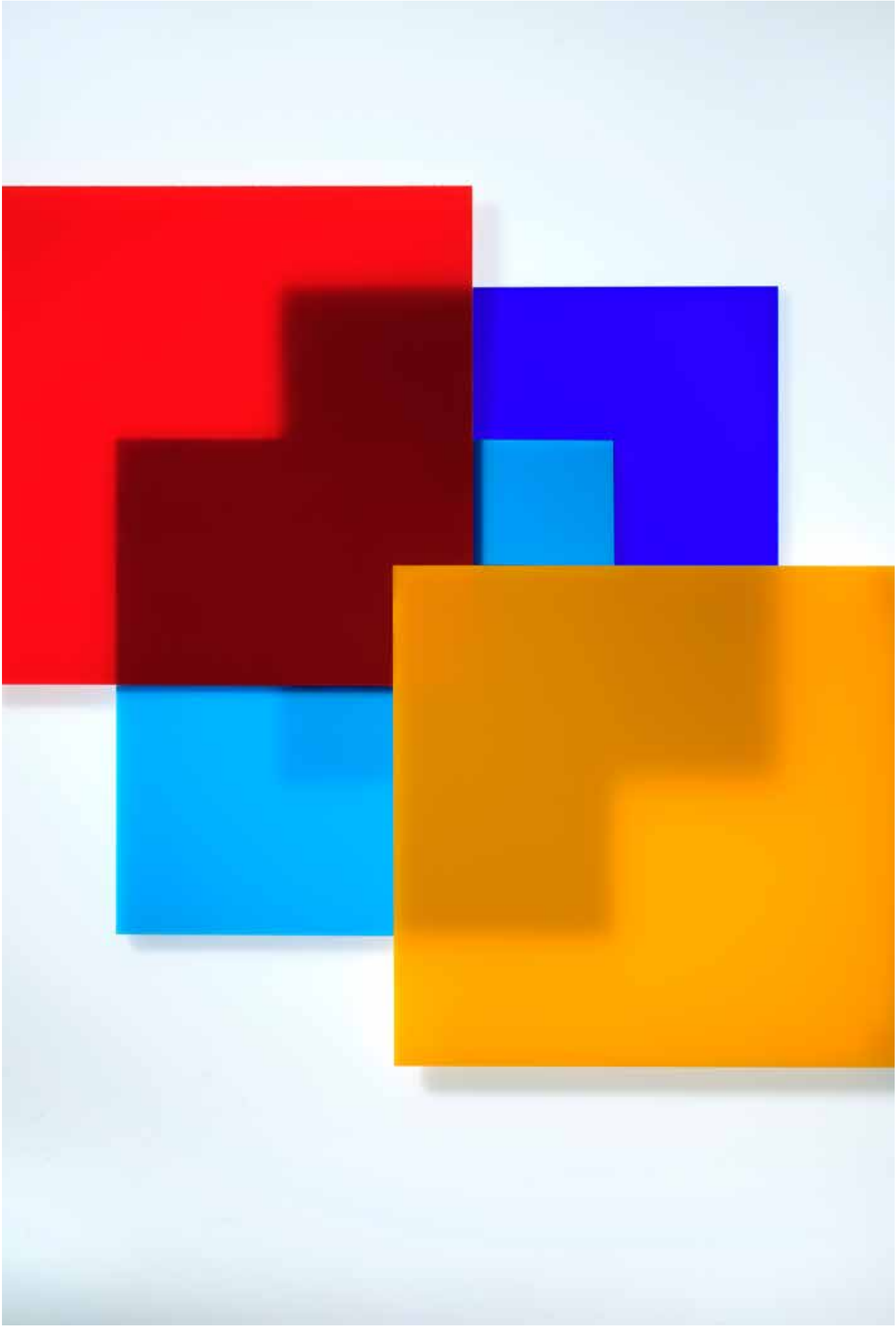
With excellent resistance to outdoor weathering, unsurpassed batch-to-batch colour consistency and excellent environmental credentials, PERSPEX® Solid and Translucent colours will help you bring your ideas to life.

 133 Ivory LT 29 %	 229 Yellow LT 19 %	 260 Yellow LT 19 %	 261 Yellow LT 29 %
 2252 Yellow LT 21 %	 363 Orange LT 4 %	 431 Red LT 3 %	 433 Red LT 2 %
 440 Red LT 3 %	 4403 Red LT 8 %	 4415 Red LT 6 %	 650 Green LT 3 %
 692 Green LT 21 %	 6205 Green LT 7 %	 6T81 Green LT 15 %	 727 Blue LT 5 %
 743 Blue LT 4 %	 744 Blue LT <1 %	 750 Blue LT 2 %	 751 Blue LT 2 %
 7033 Blue LT 8 %	 886 Violet LT 4 %	 9981 Grey LT 8 %	 962 Black* LT 0 %
 9T30 Black LT 0 %			

Code 962 Black* transmits infra-red light

LT = Light transmission % for 3 mm thickness (unless otherwise stated).

All product codes including “T” have constant light transmission overall thicknesses.



PERSPEX® TRANSPARENT COLOURS & TINTS

OUR COLOURFUL VARIETY – TRANSPARENT AND NEUTRAL COLOURS.







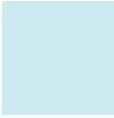
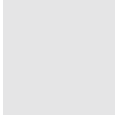
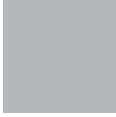

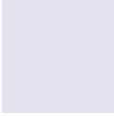
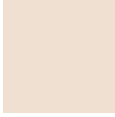
From subtle greys to vibrant reds, PERSPEX® Transparent Colours and Tints harness natural light to bring them to life. PERSPEX® Transparent Colours and Tints are used in a whole spectrum of applications from automotive and marine glazing to signage and displays, where colour and transparency are key to the design and function.

Automotive and marine glazing: the vast array of PERSPEX® Neutral tints lends itself perfectly to caravan windows, motorcycle windshields and for use in luxury yachts. Some of the main performance qualities include:

- Outstanding optical clarity
- Excellent UV and weather resistance
- Light weight
- Wide range of available neutral tints

Signage and displays: If you are looking to add the “wow-factor” to your designs, then the vibrancy of the PERSPEX® Transparent Colours and Tints range will do just that. And thanks to the versatility and quality of PERSPEX® acrylic, the only limitation will be your imagination!

- Vast range of available colours
- Ease of fabrication and installation
- Resistant to shocks, abrasions and scratches
- Easy to clean and repair

	2202 Yellow LT 87 %		300 Amber LT 38 %		4401 Red LT 8 %		6600 Green LT 14 %
	6T21 Glass Look LT 90 %		7703 Blue LT 8 %		7704 Blue LT 83 %		901 Neutral LT 61 %
	923 Neutral LT 14 %		9T13 Neutral LT 54 %		9T20 Neutral LT 36 %		9T56 Neutral LT 46 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including “T” have constant light transmission overall thicknesses.



Car park facade using PERSPEX® Frost Arctic Blue S2 7T77 | ©Photograph: Image Technique

PERSPEX® TEXTURES

It's been nearly a century since PERSPEX® brand began making canopies for aircraft. A lot has changed in the world since PERSPEX® acrylic was launched, but one thing that hasn't changed is our commitment to innovation. That's why PERSPEX® Textures collections can help any designs reach their full potential:

■ **PERSPEX® Frost** – one of our flagship products. The cool matt surface, with just a hint of lustre, has been a real crowd pleaser since the original collection was launched. It is the ideal material for a range of POS applications.

■ **PERSPEX® Satin** – a sheet with a single-sided matt finish, available in clear, opal and a wide range of colours.

■ **PERSPEX® Naturals** – inspired by the simple beauty of nature this acrylic collection offers a textured surface finish with the aesthetic appeal of stone. PERSPEX® Naturals range was shortlisted as one of the top 'Products of the Year' at the 2015 British Sign Awards.

■ **PERSPEX® Sweet Pastels** – the "yummiest" colour range from the PERSPEX® brand. Nine flamboyant pastel shades provide the best of both worlds for the consumer by offering both matt and gloss surfaces all in one sheet.

■ **PERSPEX® Royals** – the jewels in the PERSPEX® acrylic crown offering a luxury silk texture and metallic shimmer effect.



PERSPEX® FROST

ACRYLIC SHEETS WITH DOUBLE-SIDED MATT FINISH IN LIVELY COLOURS.

PERSPEX® Frost are cast acrylic sheets with a double-sided matt finish available in four collections: Pastel, Vivid, Urban and Hot. Whether you choose one of the zingy Vivid or Hot Frost, a Pastel classic or chic Urban shade – with PERSPEX® Frost you not only get an unrivalled choice of colour, but also the outstanding service and guaranteed product performance that you know you can rely on.

PASTEL

S2 000
Crystal Clear
LT 85 %

S2 030
Polar White
LT 60 %

S2 4T46
Blush Pink
LT 45 %

S2 6T21
Glacier Green
LT 82 %

S2 7T58
Aurora Violet
LT 35 %

S2 7T77
Arctic Blue
LT 68 %

S2 7T69
Electric Blue
LT 64 %

VIVID

S2 7T1F
Azure Blue
LT 32 %

S2 2T53
Saffron Yellow
LT 63 %

S2 3T37
Burnt Orange
LT 31 %

S2 4T97
Raspberry Red
LT 29 %

S2 6T9A
Lime Zest
LT 42 %

S2 8T14
Violet Heather
LT 62 %

S2 8T15
Perfect Plum
LT 20 %

URBAN

S2 1T41
Moonlight White
LT 3 %

S2 9T21
Stone Grey
LT 38 %

S2 9T23
Slate Grey
LT 13 %

S2 5T18
Sandstone Brown
LT 54 %

S2 5T33
Earth Brown
LT 10 %

S2 9221
Midnight Black
LT 0 %

HOT

S2 2T07
Citrus Yellow
LT 75 %

S2 3T17
Mandarin Orange
LT 33 %

S2 4T50
Chili Red
LT 17 %

S2 7T28
Sapphire Blue
LT 8 %

S2 6T7A
Jade Green
LT 45 %

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Illuminated Colour Wall of the London HQ of The Engine Group, England | Designer: Jump Studios | Fabricator: Acrylicize | ©Photographer: Nikhalesh Haval



PERSPEX® SATIN

ACRYLIC SHEETS WITH A SUBTLE ONE-SIDED SMOOTH MATT FINISH.

PERSPEX® Satin offer you all the known benefits of PERSPEX® acrylic with the added feature of a smooth subtle matt finish on one side of the sheet.

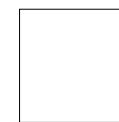
The subtle anti-reflective PERSPEX® Satin surface finish is primarily to help avoid glare, but works equally well to hide finger marks from handling.

Available as standard in clear and opal, PERSPEX® Satin can also be produced in a vast array of colours to meet all of your POS, signage and design needs.



SA 000
Clear

LT 88 %



SA 040
Opal/White

LT 44 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



Designer Lighting Collection based on bold primitive shapes | ©DESIGNER: Shufflebotham



PERSPEX® NATURALS




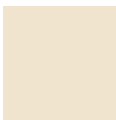
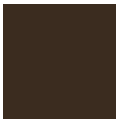

NATURAL COLOUR VARIETY WITH MATT SURFACES.

PERSPEX® Naturals is a cast acrylic range from PERSPEX® inspired by the simple beauty of nature, designed for retail and interior design applications.

Simulating the earthy tones and velvety texture of natural stone, PERSPEX® Naturals offers a double-sided matt texture, meeting the desire for simple, natural looking materials that perform to high standards in demanding environments.

PERSPEX® Naturals are available in a collection of six colours, offering a choice of pale, mid and deep tones to create harmonising colour combinations, which complement other design materials such as wood, metal and textiles.

It is the perfect material to bring clean simple lines and a natural look to any application. From a retail point of purchase to interior design, room partitions, furniture, artworks and architectural features, whether the aim is to create a classic or contemporary design, PERSPEX® Naturals will work.

	S2 1T41 Moonlight White LT 3 %		S2 9221 Midnight Black LT 0 %		S2 9643 Mineral Grey LT 0 %		S2 5268 Desert Beige LT 0 %
	S2 5269 Walnut Brown LT 0 %		S2 9642 Ash Grey LT 0 %				

LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including "T" have constant light transmission overall thicknesses.



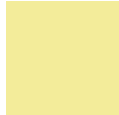




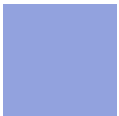
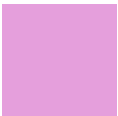


PERSPEX® SWEET PASTELS

PASTEL SHADES FOR CREATIVE SOLUTIONS.

The fresh pastel shades of the Sweet Pastels series are predestined to offer designers new creative solutions. The PERSPEX® Sweet Pastels are lively and inspiring, they attract attention.

Nine flamboyant pastel shades are available with a matt and gloss surface.

PERSPEX® Sweet Pastels have all the excellent physical properties of our standard cell cast acrylic sheet. All nine colours were specifically developed with the retail industry in mind; lightweight and easy to install for POS/POP displays, yet strong durable and hard wearing for those more demanding interior needs.

	SA 2170 Lemon Bonbon LT 0 %		SA 3143 Orange Fizz LT 0 %		SA 4287 Coral Candy LT 0 %		SA 4274 Raspberry Sherbet LT 0 %
	SA 6382 Spearmint Green LT 0 %		SA 7490 Bubblegum Blue LT 0 %		SA 7563 Sour Grape LT 0 %		SA 7489 Candy Floss Blue LT 0 %
	SA 7562 Parma Violet LT 0 %						

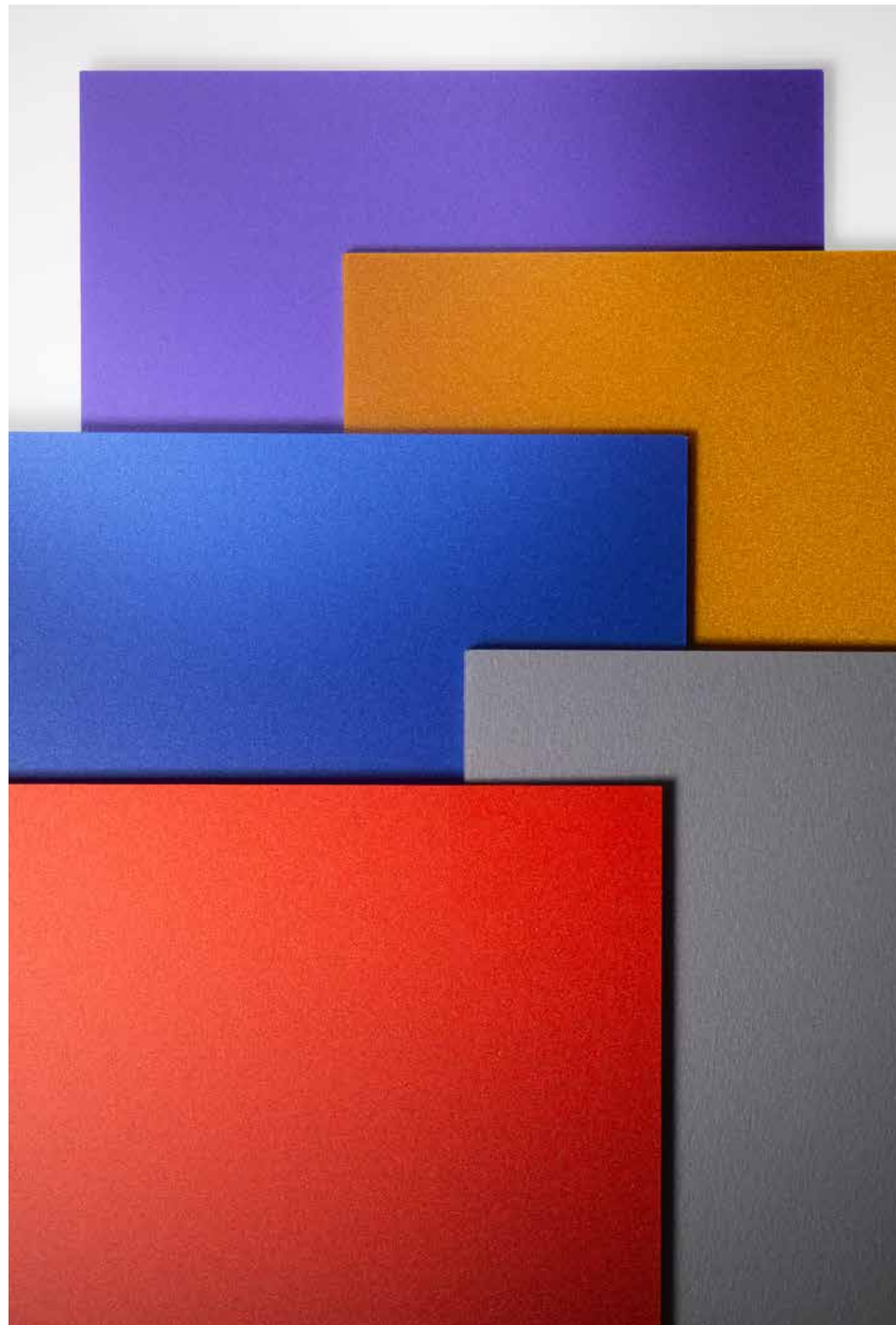
LT = Light transmission % for 3 mm thickness (unless otherwise stated).



Shop window decoration | Library Bucharest



PERSPEX® Sweet Pastels "Lemon Bonbon"



PERSPEX® ROYALS

ROYAL COLOUR SERIES WITH A METALLIC SHIMMER EFFECT.

Six majestic PERSPEX® acrylic colours; rich, splendid and lustrous, with an aim to feed your imagination.

The PERSPEX® Royals convince with a luxury silk texture and a metallic shimmer effect.

Proving to be right on trend, PERSPEX® Royals colours exhibit a chromatic effect producing a colour shift across the surface as the viewing angle changes.

PERSPEX® Royals has all the excellent physical properties of our standard cell cast acrylic sheet. All six regal colours were specifically developed with the retail industry in mind to add luxury to product displays looking for that extra special touch.

SILK



SK 8PY0
King George
Purple

LT <1 %



SK 4PY2
King Henry
Red

LT <1 %



SK 7PY0
Queen Elizabeth
Blue

LT <1 %



SK 6PY0
Queen Isabelle
Green

LT <1 %

SATIN



SK 9PY5
King Louis
Silver

LT <1 %



SK 5PY8
Queen Marie
Gold

LT <1 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).





Aglow by Liz West | an installation by Nemozena, consisting of one hundred and sixty nine hemispherical fluorescent coloured PERSPEX® acrylic bowls | Photo credit: Julien Philippp
©Hanan GmbH

PERSPEX® EFFECTS

Over many years, PERSPEX® acrylic established itself an envious reputation as one of the most attractive, flexible and stunning products in the market for corporate imaging and signage. After years of constantly introducing new products and colours that open up new possibilities, the PERSPEX® Effects umbrella range has been formed. It unites materials developed to help businesses to catch people's eye:

■ **PERSPEX® Fluorescent** is a tinted sheet with a striking edge effect. This acrylic is one of the most popular choices of designers and fabricators who want their ideas to stand out in a crowd.

■ **PERSPEX® Vario** creates a sense of movement and energy. The variants of light and shade are almost endless and the edge colour changes as the angle of vision shifts. It is the ideal material for the most eye-catching displays.

■ **PERSPEX® Metropolitan** – transparent sheet with a highly defined neutral edge effect.

■ **PERSPEX® Glass-Look** offers all the benefits of PERSPEX® cast acrylic sheet with the visual appearance of real glass.

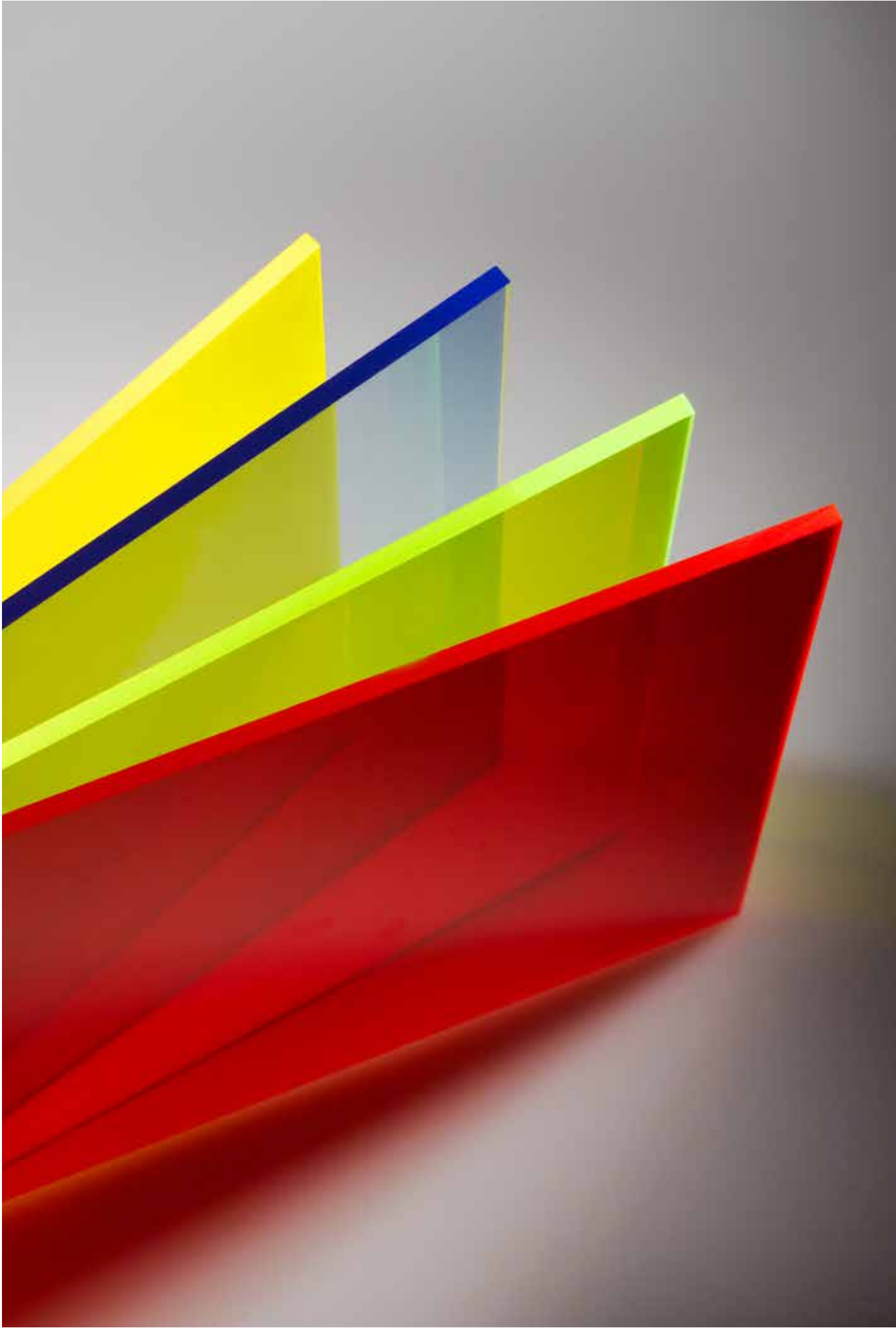
■ **PERSPEX® Pearlescent** is a deep, opulent product with a soft, shimmering effect.

■ **PERSPEX® Coral** – a unique, three dimensional shimmering effect, inspired by tropical coral reefs.

■ **PERSPEX® Duo** – a layer of either Gold or Silver which can be engraved to allow the black base colour through.

■ **PERSPEX® Sparkle** – six colours brought to life by thousands of shimmering, iridescent particles.

■ **PERSPEX® Highlights**. With the combined benefits of opalescence and a striking fluorescence in one product, this astonishing colour collection screams festival vibes and brings fun-in-the-sun mood at any time of the year.



PERSPEX® FLUORESCENT

TRANSPARENT TINTED SHEETS WITH FLUORESCENT EDGES.

The fluorescent edge effect is one of the most popular choices of designers and fabricators who want their ideas to catch the eye. PERSPEX® Fluorescent combines a delicate transparent tinted sheet with a striking fluorescent edge perfect for interior signs, POS displays and in-store retail media.

And because its physical properties are identical to standard PERSPEX® Acrylic Sheet, the PERSPEX® Fluorescent range is easy to shape and fabricate, making the most complex and intricate designs easily achievable.

PERSPEX® Fluorescent is available in a range of six colours, either as a double-sided gloss or a double-sided anti-reflective finish; each designed to make your ideas stand out from the crowd:

- Helios Yellow – a fresh sunny yellow
- Lava Orange – a warm glowing orange
- Mars Red – a bright, intense red
- Acid Green – a strong sharp green
- Neptune Blue – a deep vivid blue
- Celestial Blue – a clear crystalline blue

<div>2T88</div> <div>Helios Yellow</div> <div>LT 76 %</div>	<div>3T19</div> <div>Lava Orange</div> <div>LT 27 %</div>	<div>4T56</div> <div>Mars Red</div> <div>LT 12 %</div>	<div>6T66</div> <div>Acid Green</div> <div>LT 86 %</div>
<div>7T97</div> <div>Neptune Blue</div> <div>LT 74 %</div>	<div>021</div> <div>Celestial Blue</div> <div>LT 92 %</div>	<div>LT = Light transmission % for 3 mm thickness (unless otherwise stated).</div> <div>All product codes including "T" have constant light transmission overall thicknesses.</div>	



©Fabricator: Inplas Fabrications Ltd.






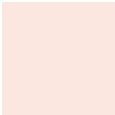
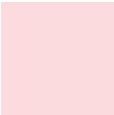
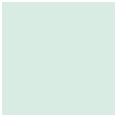
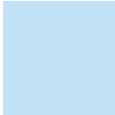
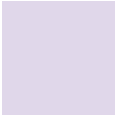
PERSPEX® VARIO

EDGE COLOURS THAT CHANGE WITH THE VIEWING ANGLE.

PERSPEX® Vario creates a sense of movement and energy. As the angle of vision shifts the change in edge colour gives an even greater depth to these intrinsically exotic tints.

Designed for use in interior applications such as point of sale display units, signs, furnishings and light fittings, PERSPEX® Vario is the ideal material for the most audacious projects. The six transparent colours with a striking vivid edge which make up the PERSPEX® Vario range take us on an unforgettable journey to new horizons where the magic of the tropics is embodied.

- Tropical Yellow – fresh and dazzling
- Caribbean Peach – pure and soft
- Honolulu Pink – to set the mood swinging
- Lagoon Green – soothing and delicate
- Cascade Blue – the perfect blue of the southern seas
- Passion Flower Violet – an engaging, vibrant tone

	2T45 Tropical Yellow LT 91 %		3T31 Caribbean Peach LT 88 %		4T87 Honolulu Pink LT 84 %		6T95 Lagoon Green LT 89 %
	7T5D Cascade Blue LT 86 %		8T10 Passion Flower Violet LT 85 %	LT = Light transmission % for 3 mm thickness (unless otherwise stated). All product codes including "T" have constant light transmission overall thicknesses.			



RHS Flower Show Tatton Park 2017 | ©Photo Credit: Patricia Murphy, Pamela Mosedale & John Bower

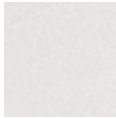
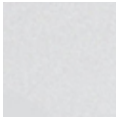
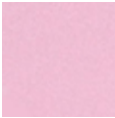
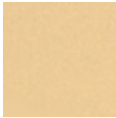

PERSPEX® PEARLESCENT

SHINY PEARLESCENT EFFECT FOR STRIKING DESIGNS.

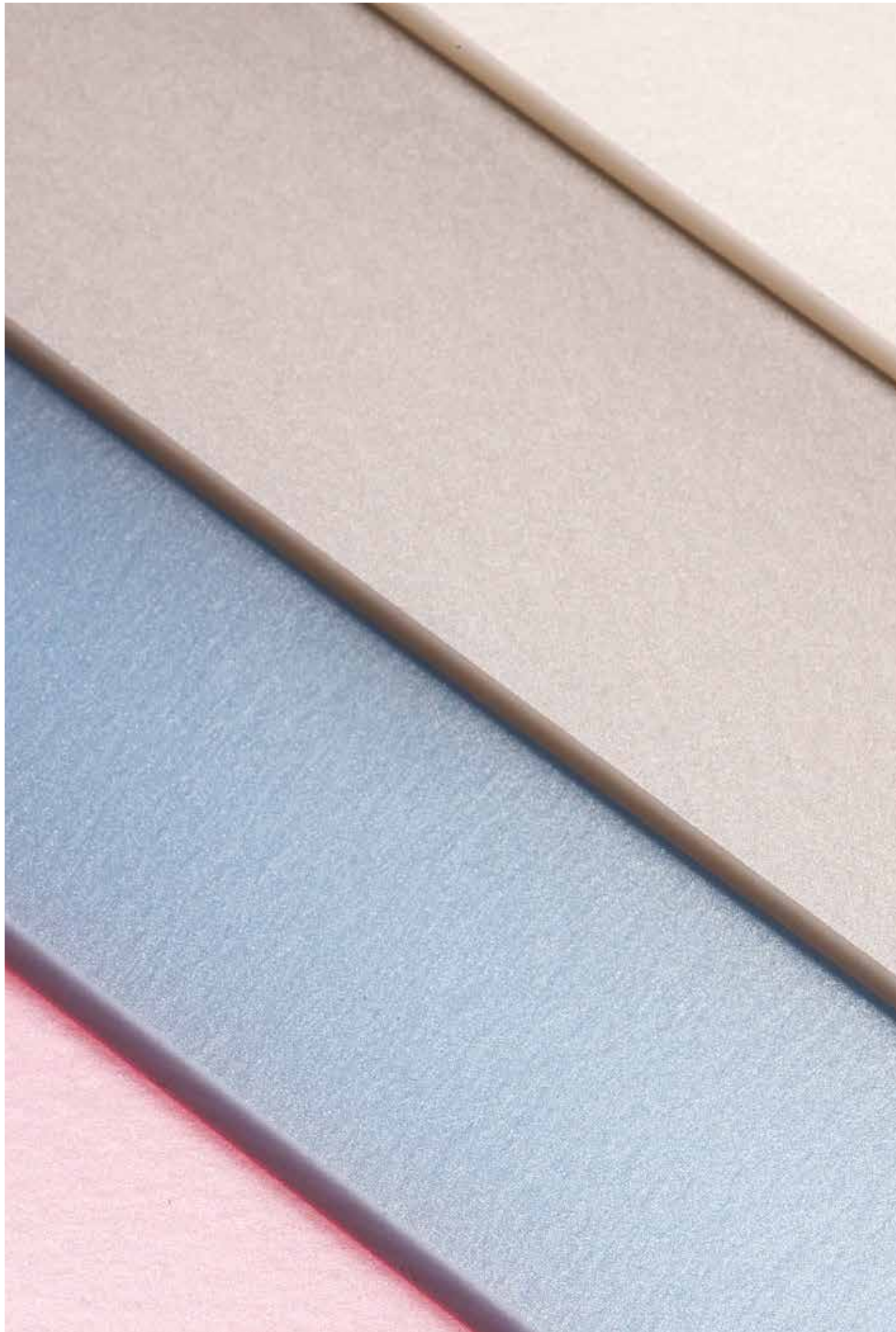
Formulated to provide a range of products all with a softly shimmering lustre, PERSPEX® Pearlescent offers even more choice in today's retail environment. PERSPEX® Pearlescent gives an attractive effect to designers and specifiers – whether in the world of point of sale, display and visual communications, or other areas of design such as furniture and interiors.

The lustre in PERSPEX® Pearlescent is further enhanced by subtle changes in its appearance depending on the light source and direction, meaning that virtually every POS display crafted from PERSPEX® Pearlescent could be considered unique!

- Pearl – a natural light opal
- Platinum – a steely, almost metallic grey
- Candy – a soft and subtle pink
- Caramel Gold – a rich warm gold
- Azure – a cool and delicate blue

	1PY1 Pearl LT 20 %		9PY2 Platinum LT 5 %		4PY5 Candy LT 6 %		5PY0 Caramel Gold LT 2 %
	7PY3 Azure LT 8 %						

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



PERSPEX® SPARKLE

SPARKLING COLOURS THAT BRING SHINE TO MANY APPLICATIONS.

PERSPEX® Sparkle – six dusky colours enhanced by thousands of shimmering, iridescent particles that gleam and shine like the surface of the celestial vault, a subtleness that is gradually brought to light. Deep and radiant, the opaque colours of the range come together to form a harmonious collection: Scintillating Red, Flamboyant Brown, Captivating Green, Glittering Blue, Gleaming Violet and Shimmering Black.

Ideal for use in a range of applications including signage, POS material, display units, interior fittings and furnishings, PERSPEX® Sparkle offers a wide range of opportunities for unusual interior and exterior applications.



4SP0
Scintillating Red

LT 0 %



5SP0
Flamboyant Brown

LT 0 %



6SP0
Entrancing Green

LT 0 %



7SP0
Glittering Blue

LT 0 %



8SP0
Gleaming Violet

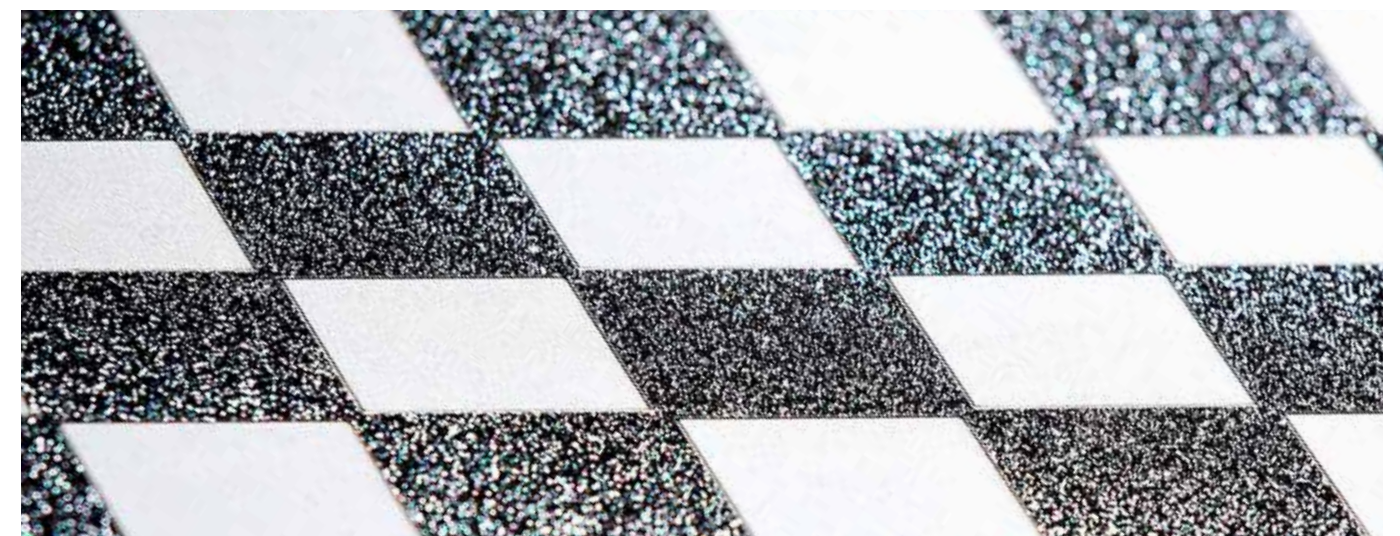
LT 0 %



9SP0
Shimmering Black

LT 0 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



Draughts board made from PERSPEX® Sparkle



PERSPEX® DUO

TWO COLOURS IN ONE SHEET – FOR IMPRESSIVE ENGRAVINGS.

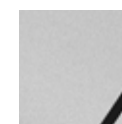
Created specifically for small area flat engraving applications, PERSPEX® Duo is a rich, solid, black sheet incorporating an inbuilt layer of either Gold or Silver, allowing the black to show through when engraved. PERSPEX® Duo offers two beautiful effects in just one product.

PERSPEX® Duo is available in two fascinating colours: Gold and Silver.



5YY8 Gold

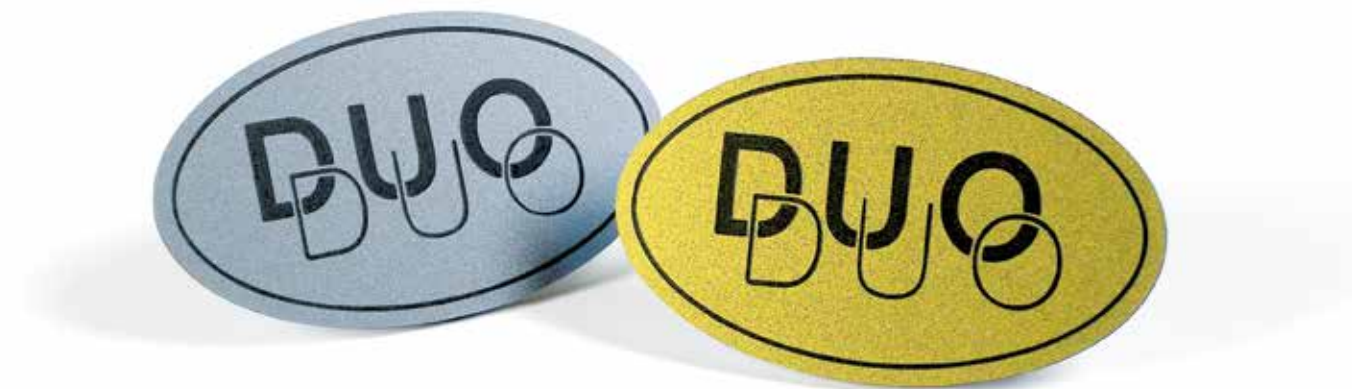
LT 0 %



9YY2 Silver

LT 0 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



PERSPEX® CORAL

SURFACES WITH DISTINCTIVE 3D METALLIC EFFECT.

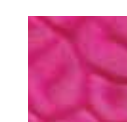
Inspired by nature, PERSPEX® Coral echoes the special textures and effects growing in tropical coral reefs.

It offers a deep, rich textural 3D effect, which gives it a subtle and intriguing appearance. Light it from behind and the unique effect displays a shimmering iridescence. Change your perspective and the effect appears to dance and ripple across the surface. Put all of this together and you have PERSPEX® Coral – an innovative, dramatic and truly unique product in the world of acrylic.

Ideal for adding an exclusive look to retail interiors, giving style and substance to architectural installations or adding a twist of individuality to statement furniture pieces, PERSPEX® Coral is the perfect material to inspire truly unique creations.

PERSPEX® Coral at a glance:

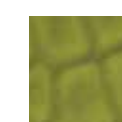
- Distinctive 3D metallic effect
- Bespoke customer solution
- Effect appears to move subtly with changing light and perspective
- Each sheet is unique with its own individual “fingerprint”
- Infinite colour possibilities



**4CL2
Pink**
LT 0 %



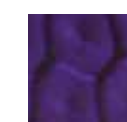
**5CL2
Cream**
LT 0 %



**6CL3
Green**
LT 0 %



**7CL1
Pale Blue**
LT 0 %



**7CL3
Deep Violet**
LT 0 %



**9CL0
Black/Silver**
LT 0 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).





PERSPEX® METROPOLITAN

ACRYLIC SHEETS WITH A TRANSPARENT SURFACE AND A HIGHLY DEFINED EDGE.

PERSPEX® Metropolitan – a unique material that combines a beautifully transparent neutral sheet with a highly defined edge to create the ultimate city style. Taking its inspiration from the sleek and sophisticated urban style of the great cities of the world, PERSPEX® Metropolitan oozes with cool, contemporary city chic.

Ideal for sophisticated Point of Sale applications, ultra-modern shelving, contemporary interior design or creative artworks and interior design, PERSPEX® Metropolitan creates an eye-catching look that delivers its own unique style.

What makes PERSPEX® Metropolitan so special is that the coloured edge effect is inherent in the sheet – so that whatever your preferred cutting, fabrication and finishing method, you can create a beautifully polished finish and striking edge effect whatever the size, shape or application.

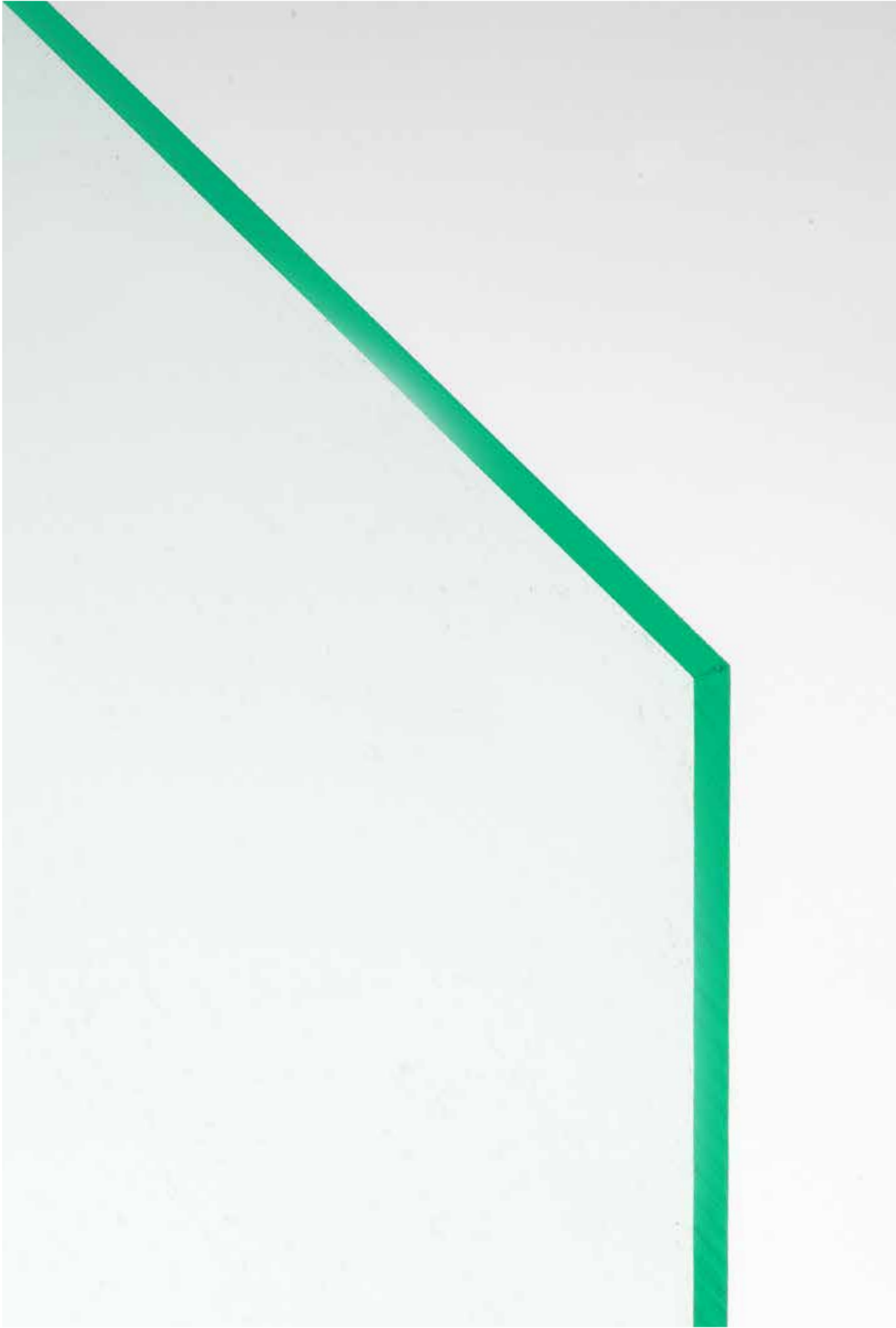
Available in a choice of four monotone edge colours, PERSPEX® Metropolitan offers the perfect colour collection to help you create your own urban appeal:

- Moscow White – a subtle white to lighten the mood
- Tokyo Brown – a contemporary brown to warm the palette
- London Grey – a sophisticated grey to add texture and depth
- Manhattan Black – a deep intense black with high edge definition

	1T80 Moscow White LT 91 %		5T48 Tokyo Brown LT 84 %		9T3C London Grey LT 88 %		9T4C Manhattan Black LT 80 %
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LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including "T" have constant light transmission overall thicknesses.





PERSPEX® GLASS-LOOK

THE ACRYLIC SHEET PROVIDING A GLASS LOOK.

This special grade of PERSPEX® acrylic was developed to provide a “glass look” product to offer designers all of the benefits of cast acrylic, whilst giving the appearance of glass. It provides the perfect choice in today’s modern displays where clean lines and minimal appearance are required.

With half the weight of glass and five times the impact strength of traditional float glass, PERSPEX® 6T21 Glass-Look is the ideal alternative – it gives greater design flexibility and can be easily machined, fabricated and installed.

PERSPEX® Glass-Look is available in a wide range of thicknesses and finishes, including gloss and Frost.

	6T21 Glass-Look		S2 6T21 Glacier Green
	LT 90 %		LT 82 %

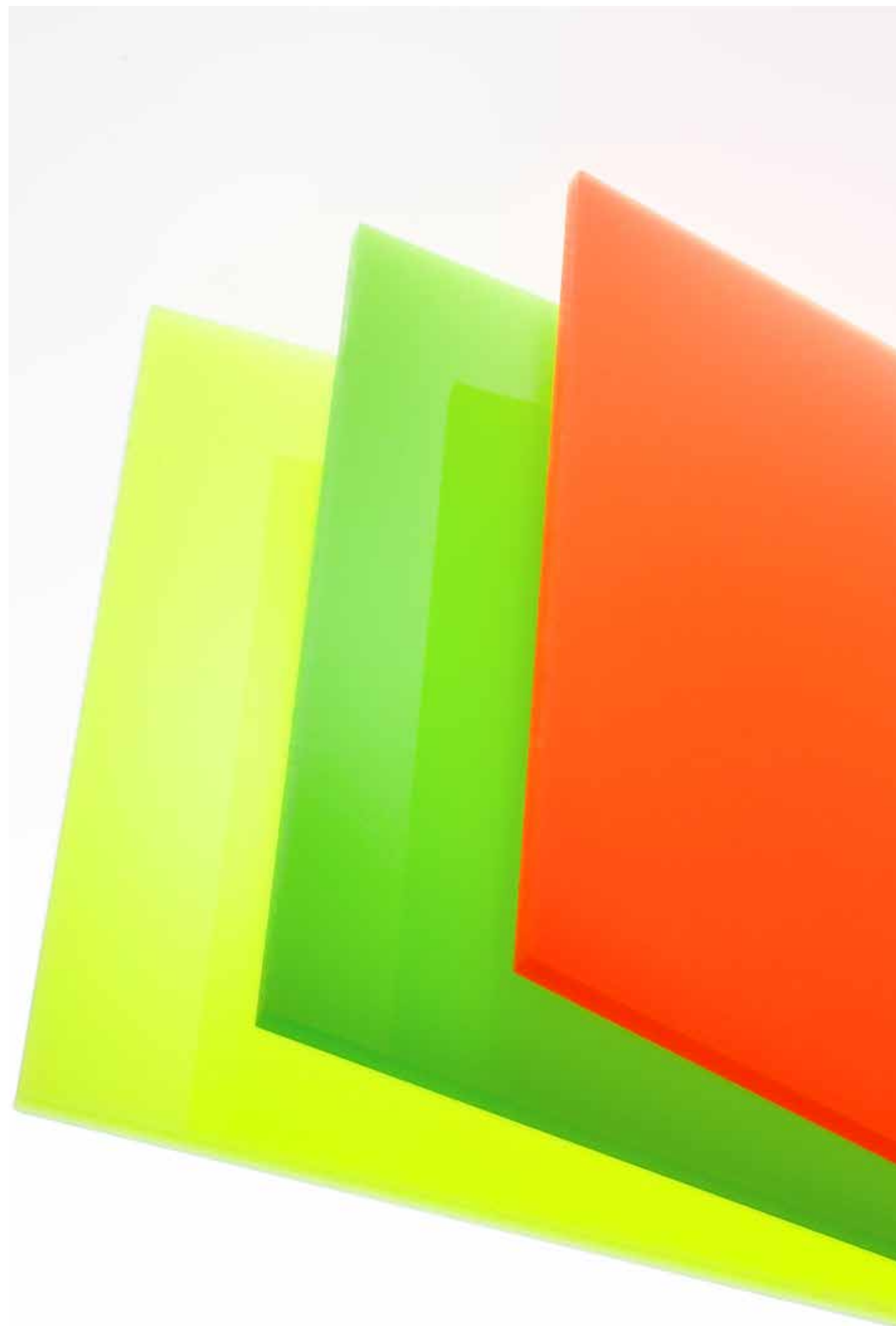
LT = Light transmission % for 3 mm thickness (unless otherwise stated).
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Airbox Plant Display | Designer: Jade Goto | ©Design Lovers



Sculpture "Loss of object and bondage to it" | Artist: Frances Richardson
©Fabricator: Inplas Fabrications Ltd



PERSPEX® HIGHLIGHTS

NEON COLOURS FOR ATTENTIVE APPLICATIONS.

The PERSPEX® Highlights palette is set to inspire designers by offering four bold neon colours; they are bright, vibrant and refreshing, with an aim to make a hugely powerful statement.

The PERSPEX® Highlights offer the combined benefits of opalescence and a striking fluorescence in one product. With excellent resistance to outdoor weathering and perfect environmental credentials, these colours will help you bring your ideas to life. Use these colours to draw attention to your project – whether it's a specialist point of sale display, an exhibition stand or a signage application. PERSPEX® Highlights will make your design stand out from the crowd.

PERSPEX® Highlights is a contemporary enhancement of our popular PERSPEX® Fluorescent range. Designers get new possibilities in realising their design applications.

	2T80 Fiesta Yellow		3T56 Carnival Orange		4T5F Flamenco Pink		6T2H Luau Green
	LT 56 %		LT 29 %		LT 22 %		LT 43 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including "T" have constant light transmission overall thicknesses.





PERSPEX® LIGHT

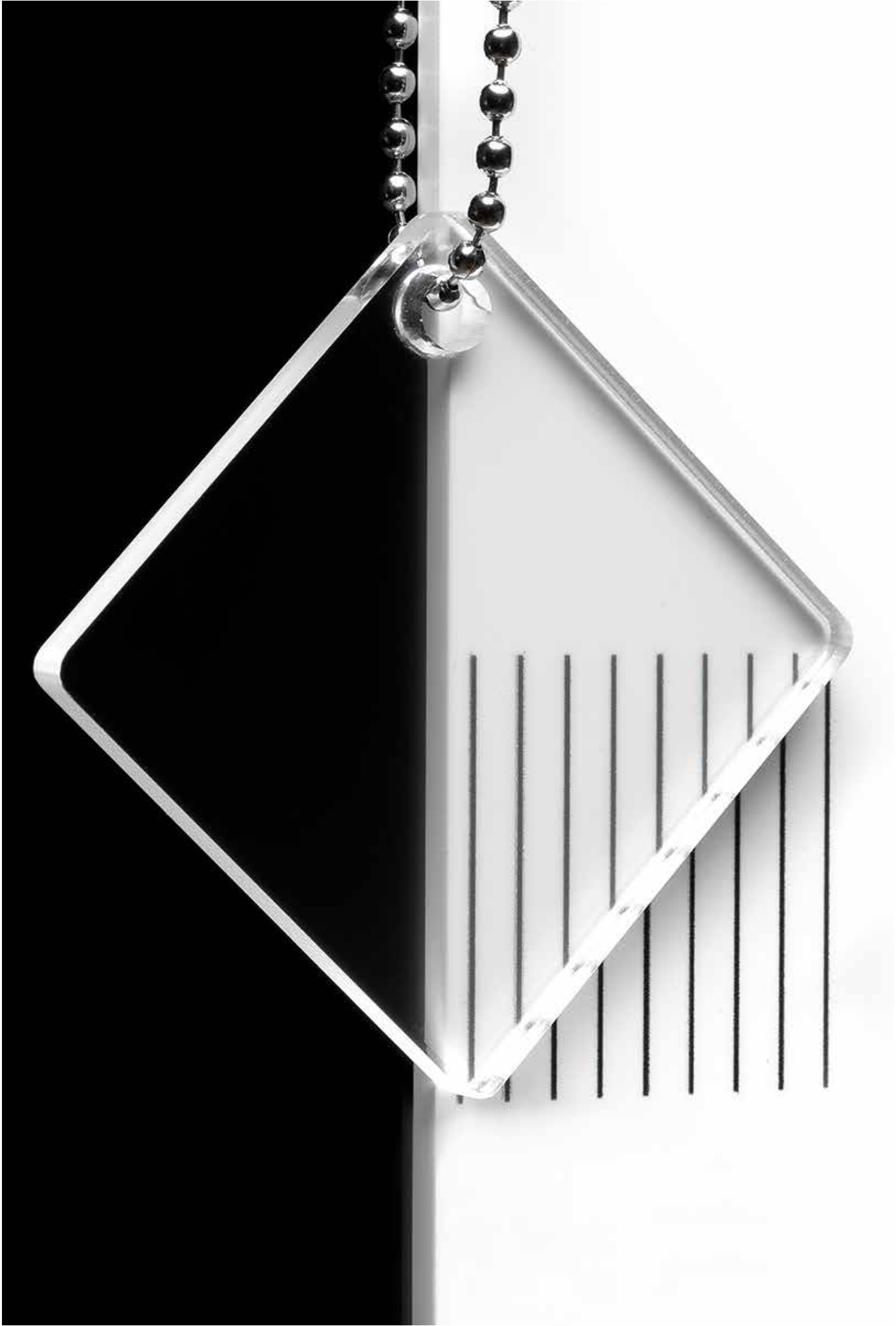
Traditionally a wide range of gloss opal colours have been used in lighting applications, however the increasing popularity of LEDs has not only led to the emergence of thinner light boxes with improved energy consumption, but also to the use of grades of PERSPEX® acrylic providing better diffusion.

The PERSPEX® Light collection is specifically optimised for LED ceiling panels, capable of lighting up any room or space in either domestic, commercial or industrial areas. The range offers products for different luminaire design construction; edge lit and back lit, as well as a reflector sheet. They give customers enhanced luminaire brightness and evenness in tandem with their choice of LEDs and ceiling panel performance specifications. PERSPEX® Light not only allows for thinner light panels, but offers ultimate diffusion power and essential LED hotspot hiding properties.

Our PERSPEX® Light collection offers 3 products that can compliment each other when used together:

- **PERSPEX® Edge** – the latest cast acrylic sheet for edge illuminated light guide panels.
- **PERSPEX® Diffuse** – the latest in diffusion technology for back and edge illuminated light panels as well as decorative lighting.
- **PERSPEX® Reflect** – a reflective sheet developed to be used in conjunction with PERSPEX® Light and PERSPEX® Illumination products to optimise brightness.

All products in the PERSPEX® Light range own all of the main characteristics of a standard PERSPEX® acrylic sheet, including a 10-year guarantee, 100% recyclability as well as meeting standard luminaire performance requirements.




PERSPEX® EDGE

ACRYLIC SHEETS SPECIALLY DEVELOPED AND OPTIMISED FOR USE WITH LEDS IN EDGE LIGHTING.

PERSPEX® Edge is a particulate filled light guide panel technology specially developed and optimised for use with LED's in edge lighting. This product has excellent colour rendition with superior long path light transmission (91%); capable of enhancing any ceiling panel and allows for even slimmer designs to suit any interior need.

Edge is a double-sided gloss acrylic sheet which works with the particulate technology to carefully control the reflection and management of emitted light, producing an even illumination across the surface. It is a versatile product giving the best possible brightness, because the formulation of each grade takes the size of your light panel into consideration. The products are individually optimised for the panel width and are available in a range of thicknesses; working in tandem with your choice of LEDs to ensure efficient lighting units with lower energy costs.

PERSPEX® Edge offers all benefits of a standard PERSPEX® acrylic sheet. This product can be optimised when used with PERSPEX® Diffuse and PERSPEX® Reflect, all three products are a part of the same range: PERSPEX® Light.

	E03B		E06B		E09B		E12B
LT*		LT*		LT*		LT*	

LT* Please contact us for more information on light transmissions for use in edge illuminated light guide applications.



PERSPEX® DIFFUSE

ACRYLIC SHEETS FOR USE AS DIFFUSER IN BOTH BACK LIT AND EDGE LIT LIGHT PANELS.

PERSPEX® Diffuse uses a new generation technology suitable for use as a diffuser in both back lit and edge lit light panels. The grade is uniquely positioned to maximize light output and performance; offering superior brightness and even light distribution.

This is a double-sided matt range of opal light diffusers available in 4 grades with 60%, 70%, 80% and 90% light transmissions; giving customers optimised panel brightness and evenness in tandem with their choice of LEDs and ceiling panel performance specifications. The diffusion power is second to none, along with its outstanding hiding capabilities for LED/light hotspots allowing better design flexibility and slimmer lighting panels.

PERSPEX® Diffuse has all of the main characteristics of a standard PERSPEX® acrylic sheet, including a 10-year guarantee, 100% recyclability and meeting standard luminaire performance requirements.

	D2 DF60		D2 DF70		D2 DF80		D2 DF90
LT 60 %		LT 70 %		LT 80 %		LT 90 %	

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



PERSPEX® REFLECT

ACRYLIC SHEETS USED AS REAR SURFACE FOR LUMINAIRES.

PERSPEX® Reflect has been specifically developed to be used as the rear surface of luminaires where acrylic is the material of choice. A reflective sheet that can be used in edge lit or back lit lighting panels designed to reflect light back through the front of the panel, enhancing light output in advertising posters, ceiling panels and signage.

This double-sided high gloss white product allows for superior light reflectance in comparison to other matt surfaces; enhancing light output for brighter and more even panels. Developed to be used in conjunction with PERSPEX® Light and PERSPEX® Illumination products to optimise brightness.

PERSPEX® Reflect can be used to complement PERSPEX® Light products in lighting applications and enhance the effect of PERSPEX® Illumination products in Visual Communication applications.

In addition to the key benefits, PERSPEX® Reflect also owns all of the main characteristics of a standard PERSPEX® acrylic sheet, including a 10-year guarantee, 100% recyclability and meeting standard luminaire performance requirements.



1T8A Opal

LT 4 %



SA 1T8A Opal

LT 4 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including "T" have constant light transmission overall thicknesses.



Visual Communications of Estate Agent Windows, England

PERSPEX® ILLUMINATION

The PERSPEX® brand brings together all products specifically optimised for lighting in visual communication, display and signage applications under one range: PERSPEX® Illumination. These products can provide illuminated signage for any enterprise, from extra small to large poster boxes, to stand out block lettering or smaller point of sale units. This range enables sign makers, specifiers and designers to enjoy the benefits of LED's to create elegant designs that are cost and eco-efficient, whilst enhancing intensity and colour for every brand.

- PERSPEX® Spectrum LED
- PERSPEX® Spectrum LED Block
- PERSPEX® S-Lux & G-Lux
- PERSPEX® Secret Sign

If you are looking to really brighten things up, then PERSPEX® Spectrum LED, which was specifically created to meet the needs of today's sign market, offers sign makers, specifiers and designers the possibility to enjoy the aesthetic, environmental and cost benefits of LEDs. And it is not only for signs – it is the ideal range of materials for any illuminated application, including POS, directional systems, interior design and architectural pieces.

The possibilities for innovative back-lit signage do not end there. PERSPEX® Secret Sign changes from black to any other colour when illuminated, and our patented edge lit technology for visual communications and lighting applications – PERSPEX® S-Lux & G-Lux – gives you an array of opportunities to create signs with even more impact.



Tempus by Rousseau Design | ©Jake Fitzjones Photography Ltd.

PERSPEX® S-LUX & G-LUX

ILLUMINATION PAR EXCELLENCE.


Specifically designed to give optimum performance in terms of even light distribution and superb brightness, our edge lit technologies bring your graphics to life! PERSPEX® S-Lux & G-Lux are grouped together under one umbrella range, specially developed for visual communication, display and signage applications: PERSPEX® Illumination.

PERSPEX® S-Lux, patented technology, has a special textured finish on one side of the sheet, producing an even illumination across the surface. Perfect for anything from small signs to large poster boxes and Euro posters, it is a versatile product giving optimum edge lighting capability regardless of the size of your sign.


PERSPEX® G-Lux is a transparent sheet with a double-sided gloss finish that contains a new particulate filled technology to carefully control the reflection of emitted light; giving excellent sign efficiency and superior even illumination with a graphic/diffuser. This allows for thinner light panels, optimized for diverse sign sizes, with no need for laser engraving. Created to complement PERSPEX® S-Lux, it is a versatile product that gives optimum edge lighting for any visual communication application.

In addition, PERSPEX® S-Lux & G-Lux offer all the product characteristics you have come to expect from PERSPEX® acrylic: outstanding weathering, light weight, easy to install and excellent durability.

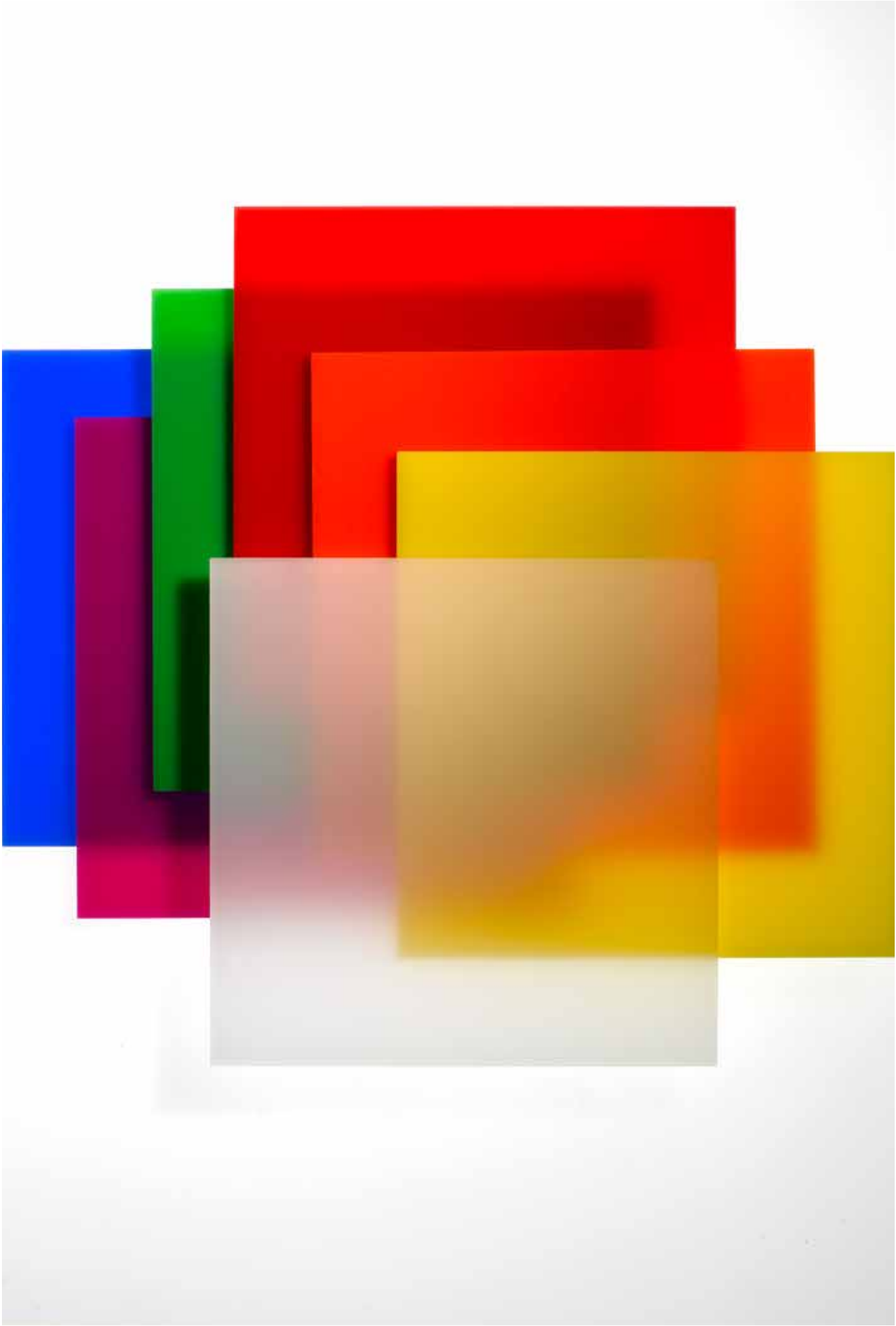
G-LUX

	G005		G015		G025		G035
LT*		LT*		LT*		LT*	

S-LUX

	SL 000
LT*	

LT* Please contact us for more information on light transmissions for use in edge illuminated light guide applications.














PERSPEX® SPECTRUM LED

COLOUR SERIES OPTIMISED FOR USE WITH WHITE LEDs.

PERSPEX® Spectrum LED combines the excellent colour performance characteristics of PERSPEX® acrylic with the benefits of LED technology, to meet the needs of today’s sign market. It enables sign makers, specifiers and designers to enjoy the benefits of LEDs and create elegant solutions that are cost and eco-efficient, whilst enhancing intensity and colour.

Optimised for use with white LEDs, the colours which make up the PERSPEX® Spectrum LED range has a bold intense reflected colour in daylight, and when lit can be used to create bright, evenly illuminated signs, with a slim profile free from LED hot spots thanks to their excellent diffusing power.

PERSPEX® Spectrum LED is not only for signs – it is the ideal material for any illuminated application including point of sale, lighting luminaires, directional systems, interior design and architectural installations.

	1TL1 Opal LT 36 %		1TL2 Opal LT 48 %		2TL1 Yellow LT 22 %		2TL2 Yellow LT 30 %
	3TL1 Orange LT 13 %		4TL1 Pink LT 8 %		4TL2 Red LT 5 %		4TL3 Red LT 6 %
	6TL1 Green LT 15 %		6TL2 Green LT 13 %		7TL1 Blue LT 6 %		

LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including “T” have constant light transmission overall thicknesses.



PERSPEX® Spectrum LED | ©Photography Matthew Seed



PERSPEX® SPECTRUM LED BLOCK

FOR FASCINATING ILLUMINATED LETTERS.

PERSPEX® Spectrum LED Block, one of the LED optimised grades from PERSPEX® acrylic, offers an alternative to traditionally constructed letters by allowing the sign maker to router out channels and embed white or coloured LEDs either inside or on a rear plate. The result: chunky, stylish, one-piece letters with an optimised, bright and even light transmission to maximise the environmental and economic benefits of LED technology.

Offering the same ease of fabrication as standard PERSPEX® acrylic, guaranteed outdoor performance as well as its light weight, PERSPEX® Spectrum LED Block provides new aesthetic opportunities in channel letter construction and signage.

Opal/White

1T77

LT 35%

All product codes including “T” have constant light transmission overall thicknesses.



Signage | 3A Composites booth Euroshop 2020 | ©Photo PhilipKistner



PERSPEX® SECRET SIGN

BLACK IN DAYLIGHT – STUNNING COLOUR VARIETY AT NIGHT.

PERSPEX® Secret Sign is a specially developed signage sheet which looks black in daylight and either white, red, green or blue (depending on the version) when illuminated at night. A very special highlight offers PERSPEX® Secret Sign Multi-Colour. Black in daylight, every arbitrary RGB-colour at night. There is no limit to the imaginable uses!

PERSPEX® Secret Sign is ideal for use in self-contained units for “secret sign” constructions whose purpose is to display a message only when illuminated. Used in banks, shops, airports and car parks, with PERSPEX® Secret Sign you can create eye-catching signs – either to advertise a brand name with six-foot high letters changing colour at night, or to display a clear instruction at the flick of a switch.

Thanks to its excellent and guaranteed weather performance and durability, PERSPEX® Secret Sign is ideal for both indoor and outdoor signage, day and night!

<div>SA 9T25 Black/White</div> <div>LT 16 %</div>	<div>SA 4T25 Black/Red</div> <div>LT 3 %</div>	<div>SA 6T25 Black/Green</div> <div>LT 2 %</div>	<div>SA 7T25 Black/Blue</div> <div>LT 4 %</div>
<div>SA 9TL1 Black/Multi-colour</div> <div>LT 17 %</div>			

LT = Light transmission % for 3 mm thickness (unless otherwise stated).
All product codes including “T” have constant light transmission overall thicknesses.



Multi-colour display made of PERSPEX® Secret Sign



PERSPEX® OPTIMISED PERFORMANCE

Since its introduction as a strong and durable product for aircraft glazing, PERSPEX® brand has found many new users within vehicle glazing, architecture, visual communications and lighting applications. Following special customers requests, the PERSPEX® team has also developed a number of bespoke solutions that are specially formulated to give the ultimate performance:

- PERSPEX® Impact Modified
- PERSPEX® Vision
- PERSPEX® VE/VA
- PERSPEX® Easy Machining Grade
- PERSPEX® Forte

PERSPEX® acrylic is tough. Very tough, in fact. The kind of tough that protects from dangerous chemicals like PERSPEX® Forte as well as high temperatures and flying bullets like PERSPEX® Impact Modified. But it's also incredibly versatile, creating all sorts of exciting new possibilities beyond the typical signage and Point of Sale displays: from window glazing to architecture, boats to furniture.

The optical clarity of PERSPEX® acrylic makes it the perfect choice for exhibition booths and art gallery cases, creating a strong protective shield without visually impairing the display. Specifically designed to give superior clarity in rear projection applications. PERSPEX® Vision gives pinpoint clarity to the projected image. Enhanced for the very best UV protection, PERSPEX® VE/VA grade is the preferred product for the picture or artwork glazing.

PERSPEX® Easy Machining Grade is designed to offer enhanced fabrication opportunities. With large scale fabrication projects in mind, this product showcase improved cutting and machining times.



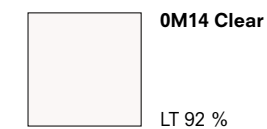
PERSPEX® IMPACT MODIFIED

FOR APPLICATIONS THAT REQUIRE ENHANCED IMPACT RESISTANCE.

PERSPEX® Cell Cast Impact Modified (Cast IM) Acrylic is designed for functions that require enhanced impact resistance. Suitable for a range of diverse areas, from exterior signage or displays to automotive and window glazing; this sheet has approximately twice the impact strength of standard cell cast PERSPEX® acrylic.

With enhanced chemical and scratch resistance; PERSPEX® Cast IM is strong, durable and hardwearing, yet remains lightweight and easy to fabricate and install. This sheet is tough; with an outstanding laser processing performance, making any design brief effortless to shape and style, therefore, less time consuming and more cost effective for the customer.

PERSPEX® Cast IM is available in a whole spectrum of colours and with minimum order quantities.



LT = Light transmission % for 3 mm thickness (unless otherwise stated).





PERSPEX® VISION

ACRYLIC SHEETS FOR REAR PROJECTION SCREENS.

In today’s world of high impact, high profile and high value communications, getting your message across to your customers has never been more important. Competition for their attention is intense so having your brand, message and identity clear for all to see is a must – that is where PERSPEX® Vision comes in.





Specifically designed to create rear projection screens that display superbly sharp images, PERSPEX® Vision is perfect for the advertising, POS and promotion sector. PERSPEX® Clear Vision is a transparent product which gives pinpoint clarity to the projected image. Screens made using PERSPEX® Clear Vision have a superb 170° viewing angle and give an extremely bright clear image – even in well-lit environments.

PERSPEX® Hi Vision is an opaque sheet which will retain the full clarity, sharpness and contrast of your projected image. Screens made from PERSPEX® Hi Vision have a spectacular viewing angle of 175° and can even be colour matched to your specific requirements to give optimum projection.

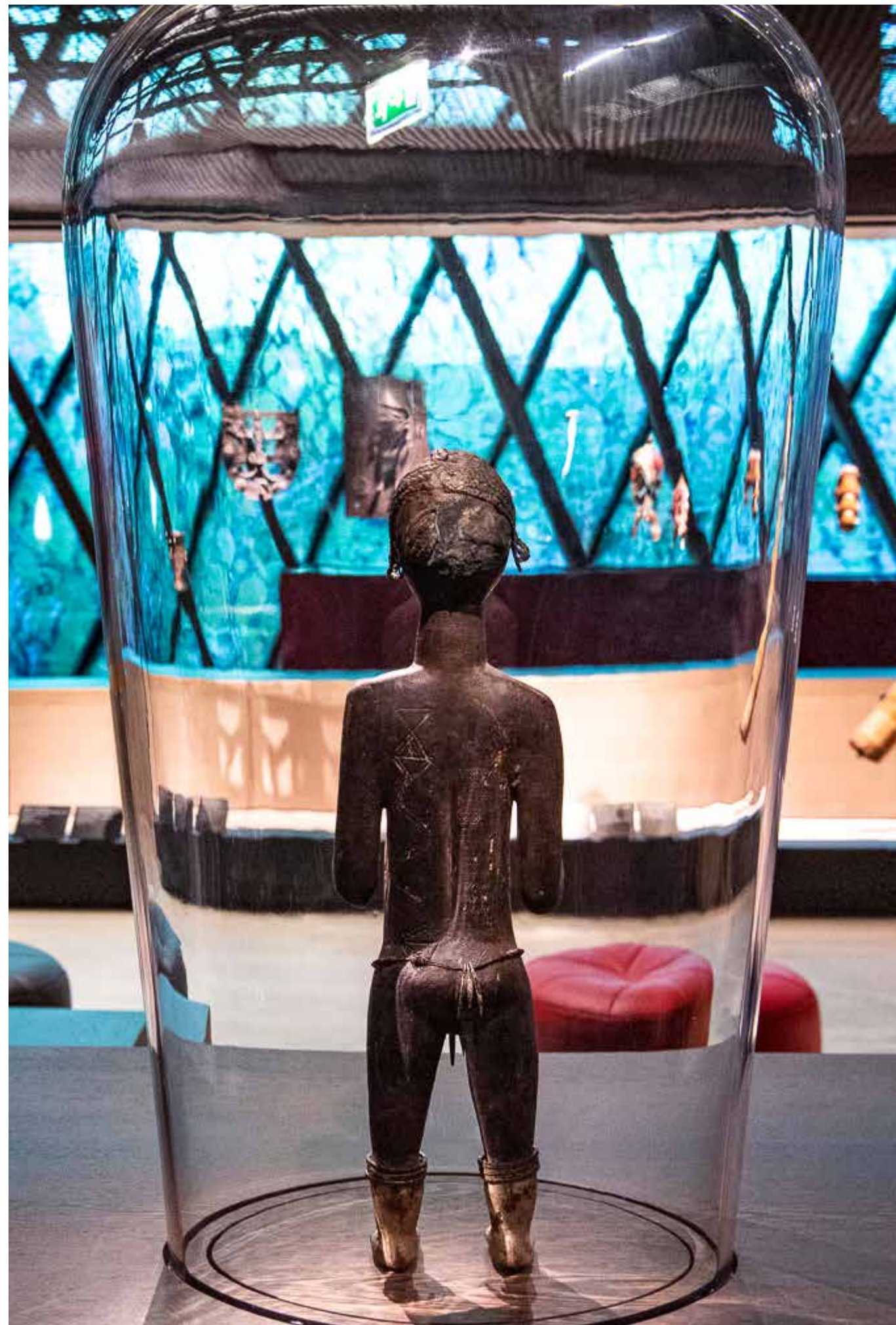
And because it is PERSPEX® brand acrylic, you have all the usual benefits:

- Can be shaped to make curved screens for optimum use of floor space
- Lightweight so screens are easy to install
- Available as 3 x 2 metre sheet for larger, high impact images
- Extremely hard wearing and durable for longer life screens

And of course PERSPEX® Vision comes with the guaranteed PERSPEX® acrylic sheet quality.

	1RP0 Clear Vision		S2 9RP0 Hi Vision		S2 9RP1 Hi Vision		S2 9RP2 Hi Vision
LT 91 %		LT 31 %		LT 22 %		LT 23 %	

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



PERSPEX® VA/VE

UV ABSORBING GRADES.

In addition to the standard grade of PERSPEX® acrylic, we also offer UV absorbing grades in both clear and opal.

PERSPEX® VE is available for applications where the minimum transmission of UV light is required, for instance in the glazing of museum exhibits to protect delicate artefacts. PERSPEX® VE absorbs 99.99% of all incident UV light below 400nm.

PERSPEX® VA is the preferred product for picture or artwork glazing applications where optimum UV protection coupled with maximum optical clarity is required in order to see the object on display in its true colours. PERSPEX® VA also lends itself to glazing applications in tropical regions and high UV intensity street lighting applications.

	VA 004 Clear
	LT 92 %

	VE 003 Clear
	LT 92 %

	VE 031 Opal/White
	LT 67 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



©The architect: Jean Nouvelle | The client: Musée Quai Branly – musée Jacques Chirac, Paris | The producer: Clem Kortrijk, Belgium.






PERSPEX® EASY MACHINING GRADE

ACRYLIC SHEETS WITH ENHANCED FABRICATION OPPORTUNITIES.

PERSPEX® Easy Machining Grade is a specially formulated sheet offering enhanced fabrication opportunities, designed to improve cutting and machining times.

Offering the same outstanding product characteristics such as excellent optical quality, light weight and outstanding weather resistance as standard grades, PERSPEX® Easy Machining Grade is a bespoke product, intended for use in large scale fabrication projects.

	9H04 Neutral		0H00 Clear		1H01 Opal
	LT 35 %		LT 92 %		LT 34 %

LT = Light transmission % for 3 mm thickness (unless otherwise stated).



'The Birdcage' concept car made by Maserati for PININFARINA SPA. The roof is made from PERSPEX® Neutral. | ©PININFARINA SPA



PERSPEX® FORTE

ACRYLIC SHEETS WITH ENHANCED CHEMICAL RESISTANCE.

PERSPEX® Forte is a specially formulated cast acrylic sheet offering enhanced chemical resistance.

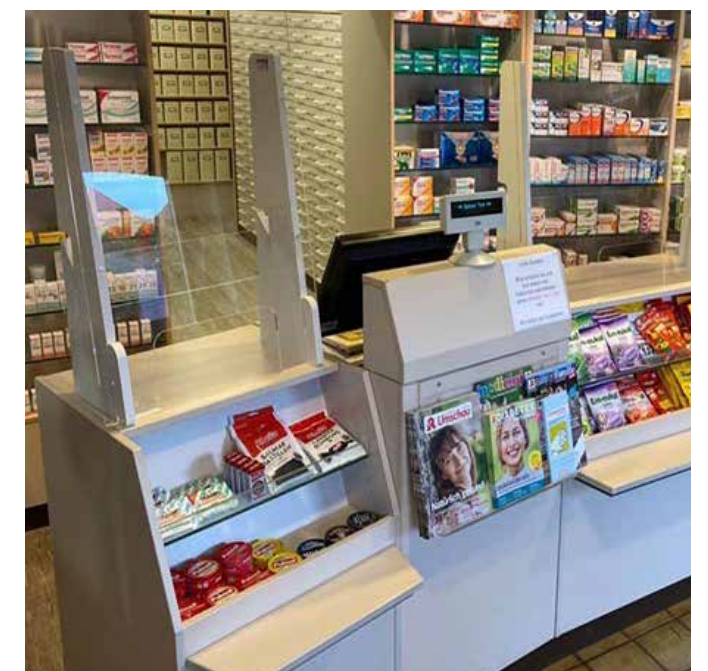
Designed to be even more resistant to crazing than standard grades, PERSPEX® Forte offers you greater choice where improved chemical resistance may be an advantage, such as perfume displays, kitchen doors, machine guards or hygienic protection screens to name but a few.

PERSPEX® Forte offers you increased scope for design and fabrication.

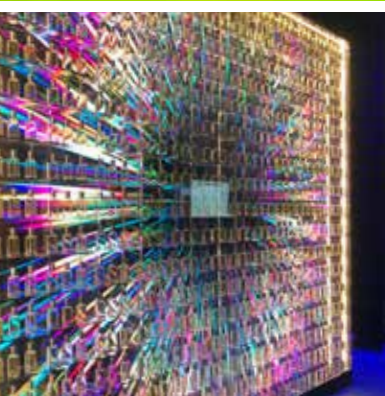
PERSPEX® Forte is available in most PERSPEX® acrylic colours and finishes.



Kitchen cladding



Hygienic protection walls





©Civic Architects



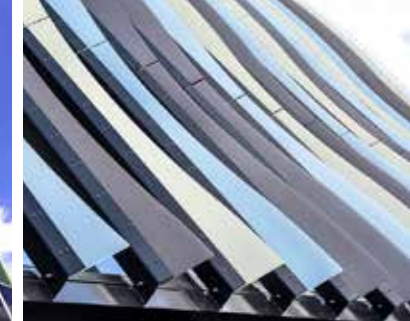
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©Photograph: ASG



©Architect: Jean Nouvel | Client: Musée Quai Branly – musée Jacques Chirac, Paris | Producer: Clem Kortrijk, Belgium



©Photograph: Pavan Consultants / Mitchell Plastics



©Matthew Lawrence



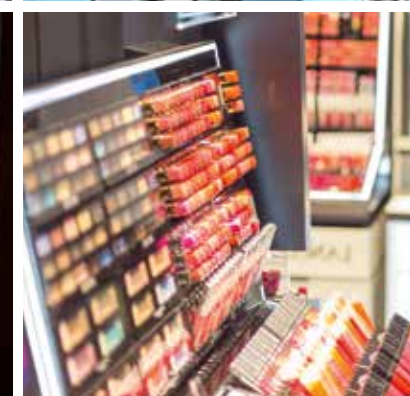
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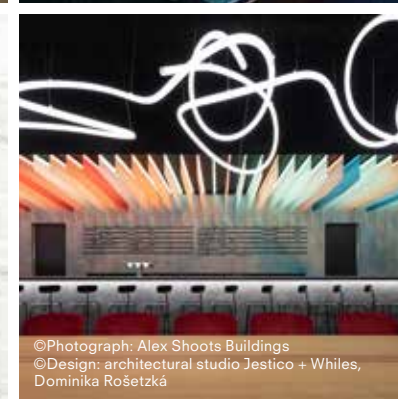
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