

PERSPEX®
FROM LUCITE®

Inspiring Solutions

Lassen Sie sich
inspirieren

Trouvez l'inspiration



LUCITE®
The source of inspiration

Perspex® from Lucite® The source of inspiration

PERSPEX®
FROM LUCITE®

Freeing the spirit of creativity

Perspex® from Lucite® is a product of rare quality, unique abilities and outstanding performance which can be said to be in a league of its own.

Perspex® is polymethyl methacrylate (PMMA) acrylic sheet manufactured from methyl methacrylate monomer (MMA).

Available in cast and extruded sheet and in a wide range of sizes, thicknesses, colours and textures, Perspex® is easy to shape, fabricate and form.

Perspex® is extremely versatile and can be used in applications as diverse as signs, POS, visual communication, glazing, acoustics, design, architecture, furniture, boat glazing – the list is almost endless.

With Perspex® the creative possibilities are boundless thanks to its superb versatility.

Perspex® can easily be

- laser / CAD/ CAM cut
- shaped / machined
- milled / drilled
- thermoformed / bent
- cemented / assembled
- polished / routed
- screen printed / engraved
- drape formed / pre-formed



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Strong foundations

A market leader for more than 60 years, Perspex® from Lucite® is part of Lucite International, the world's leading acrylics producer, with sheet production sites in the US, UK, France, South Africa, Japan and Thailand.

As part of Lucite International, Perspex® benefits from the company's extensive technical expertise, technological resources and research and development capability.

Throughout Europe Perspex® is sold and distributed by an international network of approved distributors each with immediate access to the Lucite International resources, enabling Perspex® to provide both stimulus and response to market developments.



Excellent product performance

Manufactured to ISO 9002 quality standards Perspex® offers

- ▣ exceptional resistance to chemicals and crazing
- ▣ high shock, abrasion and flex resistance
- ▣ excellent weather and UV resistance
- ▣ 10 year warranty against fading and weathering
- ▣ low density / light weight compared with glass
- ▣ excellent optical clarity
- ▣ superior versatility
- ▣ superb batch to batch colour consistency
- ▣ high rigidity and smooth flat surface
- ▣ easy clean / hygiene standards
- ▣ 100% recyclability
- ▣ high performance properties after moulding
- ▣ smooth surface finish
- ▣ warm to the touch



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A rich palette of colour

Originally produced to be crystal clear - with light transmission over 90% - Perspex® from Lucite® has evolved to offer a choice of colour which is second to none.

Perspex® is available in a wide variety of translucent, tinted and opaque colours from vivid primaries to subtle natural shades.

Perspex® also offers exciting effects such as gloss, fluorescent, sparkle and pearlescent as well as surface textures including Diamond, Silk, Satin and Frost.

Perspex® colours, effects and surface finishes maintain the same striking and attractive appearance year after year and can be dyed and screen printed to give stunning results

With its own in-house colour laboratory, Perspex® can be matched to almost any colour imaginable and the Perspex® colour laboratory is always on hand to give help and advice to Perspex® customers, whatever their business sector.



Superb products for diverse uses

Perspex® Cast sheet is produced directly from monomer, cast between two sheets of high quality glass and is polymerised in batches in specially developed ovens and water baths in a carefully controlled manufacturing process.

Perspex® Extruded sheet is produced from the acrylic polymer Lucite® Diakon® in the form of granules.

The products detailed below are just a small selection of those for which Perspex® has earned its reputation for technical excellence and superior performance.



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Perspex® from Lucite® - Cast

Perspex® Cast has a very high molecular weight, making it more rigid, craze resistant and easy to handle, cut and cement. This production method allows small runs and is more flexible – ideal for making a flexible range of sheet thicknesses and sizes including large area sheet – **Perspex® Maxi size** and **Perspex® Super Maxi size**.

Inspired special effects

Perspex® is renowned for its inspiring choices. Below is just a small selection of Perspex® Cast products to inspire.

Perspex® Frost, cool, elegant and translucent, this unique material adds more than a touch of sophistication.

Perspex® Pearlescent, with its soft metallic lustre have been developed to meet the needs of today's modern designs in POS.

Perspex® Silk with its pleasing and subtle anti reflective surface meets the current trends in the sign sector favouring a more natural appearance.

Perspex® Glass-Look, specially developed to meet the demands of the modern designer has a “glass look” that is the perfect choice for POS displays and signs. Similar in appearance to glass, it offers the benefits of a lighter weight and can be machined, fabricated and shaped with ease.

Perspex® Fluorescent is a new product with an exciting fluorescent live edge effect perfect for interiors signs, POS displays and in-store retail media.

Perspex® Fluorescent range is easy to shape and fabricate, making the most complex and intricate designs easily achievable. Perspex® Fluorescent is available in five exciting colours each designed to make the most of any interior display.

Perspex® Sparkle has a glimmering effect that mirrors the look of polished stone.

Perspex® Vario is a range of striking transparent colours, whose fluorescent edge and colour change with light and viewing angle.



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Superior functionality

The quality of Perspex® from Lucite® means that it always performs. Below are some of the special effect formulations that meet specific market needs.

Perspex® Glow Wire is designed for applications where a product is required that offers increased resistance to fire, whilst still retaining the excellent transparency of Perspex®.

Perspex® VA / VE are special UV grades which have excellent ultraviolet filtering properties, particularly valuable in museums and art galleries.

Perspex® Vision is a range comprising two grades that are designed to give excellent clarity of image in rear-projection applications.

Perspex® from Lucite® - Extruded

The extruding technique offers excellent thickness tolerance and is more economical for longer production runs. Perspex® Extruded has a lower molecular weight, giving it greater flexibility and making it easier to vacuum form.

Perspex® extruded sheet has specific properties which make it ideal for certain applications. The products below represent a combination of effect and functionality.

Perspex® Impact Modified is a line of impact resistant products, which retain the same transparency and ease of installation found with standard Perspex®. Popular for use in POS, glazing and signs, Perspex® IM is available in gloss or satin finish, in lengths of up to 10 metres.

Perspex® UV is a special grade of Perspex which transmits UV light and is ideal for sun beds.

Perspex® Glass-Look is also available in extruded sheet form and offers the same appearance qualities as Perspex® cast Glass-Look.



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Perspex® from Lucite® Lighting Solutions

Optimum lighting efficiency

Perspex® Edge Lighting Solutions is a range of products that allow the creation of elegant, slim and energy efficient lighting products including POS displays, lighting shelves and surfaces and illuminated signs.

Using a combination of patented technology and the superior light transmission qualities inherent in Perspex®, Perspex® Edge Lighting Solutions offer a unique combination of superb even illumination, cool slim lighting and reduced energy consumption, up to 50%, compared to traditional back lit systems.

Perspex® D-Lux

The perfect solution for small-sized signs and lighting surfaces, Perspex® D-Lux is designed to give small-scale signs the optimal balance between illumination, weight, size and cost. It comes in a thickness of 10 mm and is ideal when the distance between light sources is less than 750 mm.

Perspex® S-Lux

Ideal for large-scale projects, Perspex® S-Lux is designed to provide lighting in all conditions and is particularly suited to large-size signs and projects. It is available in thicknesses of 8, 10 and 12 mm. In addition by using an opaque white panel between the 2 sheets of Perspex® S-Lux, you can create a double-sided sign with absolutely no show through.

Perspex® Prismex®

An outstanding development of recent years, Perspex® Prismex (patented edge-lit technology) is manufactured from Perspex® cast acrylic sheet. Using a patented dot matrix system, the variation in the size and pattern of the dots in relation to the light source ensures perfectly even lighting without a banding effect. It is extremely versatile: the slimness of the Perspex® Prismex construction is ideal for reduced spaces or for single light source applications to offer designers even more choice.

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