# PERSPEX FROMLUCITE®

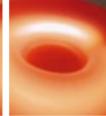
# Inspiring Solutions Lassen Sie sich inspirieren Trouvez l'inspiration



















# Perspex<sup>®</sup> from Lucite<sup>®</sup> The source of inspiration

## Freeing the spirit of creativity

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

Perspex<sup>®</sup> 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<sup>®</sup> is easy to shape, fabricate and form.

Perspex<sup>®</sup> 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<sup>®</sup> the creative possibilities are boundless thanks to its superb versatility.

Perspex<sup>®</sup> can easily be

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

# PERSPEX® FROMLUCITE®









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LUCITE of inspiration

## Strong foundations

A market leader for more than 60 years, Perspex<sup>®</sup> from Lucite<sup>®</sup> 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<sup>®</sup> benefits from the company's extensive technical expertise, technological resources and research and development capability.

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

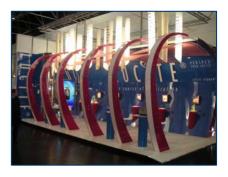
### Excellent product performance

Manufactured to ISO 9002 quality standards  $\mathsf{Perspex}^{\texttt{®}}$  offers

- exceptional resistance to chemicals and crazing
- high shock, abrasion and flex resistance
- excellent weather and UV resistance
- I 10 year warranty against fading and weathering
- I low density / light weight compared with glass
- excellent optical clarity
- superior versatility
- **I** superb batch to batch colour consistency
- high rigidity and smooth flat surface
- easy clean / hygiene standards
- 100% recyclability
- I 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<sup>®</sup> from Lucite<sup>®</sup> has evolved to offer a choice of colour which is second to none.

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

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

Perspex<sup>®</sup> 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<sup>®</sup> can be matched to almost any colour imaginable and the Perspex<sup>®</sup> colour laboratory is always on hand to give help and advice to Perspex<sup>®</sup> customers, whatever their business sector.

#### Superb products for diverse uses

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

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

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#### Perspex<sup>®</sup> from Lucite<sup>®</sup> - Cast

Perspex<sup>®</sup> 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<sup>®</sup> Maxi size** and **Perspex<sup>®</sup> Super Maxi size**.

#### Inspired special effects

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

**Perspex**<sup>®</sup> **Frost,** cool, elegant and translucent, this unique material adds more than a touch of sophistication.

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

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

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

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

**Perspex<sup>®</sup> Sparkle** has a glimmering effect that mirrors the look of polished stone.

**Perspex<sup>®</sup> 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<sup>®</sup> from Lucite<sup>®</sup> means that it always performs. Below are some of the special effect formulations that meet specific market needs.

**Perspex**<sup>®</sup> **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<sup>®</sup>.

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

**Perspex<sup>®</sup> 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<sup>®</sup> Extruded has a lower molecular weight, giving it greater flexibility and making it easier to vacuum form.

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

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

**Perspex**<sup>®</sup> UV is a special grade of Perspex which transmits UV light and is ideal for sun beds.

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





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# Perspex<sup>®</sup> from Lucite<sup>®</sup> Lighting Solutions

#### **Optimum lighting efficiency**

Perspex<sup>®</sup> 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<sup>®</sup>. Perspex<sup>®</sup> 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<sup>®</sup> D-Lux

The perfect solution for small-sized signs and lighting surfaces, Perspex<sup>®</sup> 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<sup>®</sup> S-Lux

Ideal for large-scale projects, Perspex<sup>®</sup> 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<sup>®</sup> S-Lux, you can create a double-sided sign with absolutely no show through.

#### Perspex<sup>®</sup> Prismex<sup>®</sup>

An outstanding development of recent years, Perspex<sup>®</sup> Prismex (patented edge-lit technology) is manufactured from Perspex<sup>®</sup> 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<sup>®</sup> Prismex construction is ideal for reduced spaces or for single light source applications to offer designers even more choice.

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