

**ALTUGLAS®**  
BY ARKEMA

**ALTUGLAS®**  
Retail outlet fittings





**A remarkable polymer**

- Exceptional optical properties and transparency, for light transmittance superior to glass
- UV-resistant
- Refractive index of 1.49
- Smooth, shiny, matte or rough appearance, to heighten the sense of touch
- Excellent resistance to atmospheric factors and impacts
- Density of 1.19 (2 times lower than glass)

## UNLEASHING CREATIVITY /

Altuglas International, a subsidiary of Arkema, is a leading global manufacturer of PMMA (polymethyl methacrylate), better known as acrylic glass. Altuglas is developing a range of products specially designed for interior designers, decorators and interior architects.

**ALTUGLAS®**

## An outstanding choice to suit the needs of all retail outlets



### FORM IT YOUR WAY /

PMMA is a thermoplastic polymer. In other words, it is a material that can indefinitely take a large number of shapes when heated. It is easy to form and very simple to use. Like wood, it can be cut with a saw or laser, then sculpted, glued, screwed, milled, painted, printed or even silkscreened, so it does not necessarily require major industrial processes.

With optical properties superior to those of glass, PMMA is an exceptional material that is highly valued in many sectors, like furniture, decor, cars, events, point-of-sale advertising, store fittings, electric signs, visual advertising, construction, and more.

### AN EXTRAORDINARY MATERIAL THAT CAN TAME THE FIERCEST LIGHT /

Whether natural or artificial, rays of light are tempered and diffused, as needed. Thanks to the broad selection of Altuglas® colors and textures, light can now be put to work for designers. The selection of ranges includes Altuglas® Elit, Altuglas® Signature, Altuglas® Led, Altuglas® Dual Satin, Altuglas® Transparent Colours, and Altuglas® Fluo. Lighting can be set up in the main sides or the edges, depending on the desired effect.

### A RANGE JUST FOR COMMERCIAL SPACE DESIGNERS /

Having decided to go beyond simple aesthetic considerations, the Altuglas International R&D team developed various Altuglas® ranges for durability (Altuglas® Essential), longevity and even food safety (Altuglas® Food Contact).



### THE CIRCULAR ECONOMY, LITERALLY /

PMMA can be recycled forever: It can be broken down using a chemical process called "cracking", to obtain methyl methacrylate, the base monomer. This monomer can then be used to make new sheet. Altuglas International has distributor partners around the world who make it possible to provide even easier access to products in the standard Altuglas® range.





## ALTUGLAS® METALLIC & IRIDESCENT /

With our Altuglas® Metallic and Altuglas® Iridescent ranges, PMMA now has a dazzling new look. The unique metallic or iridescent texture in this new collection creates particularly striking effects that change depending on your angle of vision, showcasing your products and their setting in a stunning way.

### **Our material has gone glamorous.**

Altuglas® Metallic plays with colors which become concentrated, then translucent depending on the viewer's position. This effect is even more striking when you combine background colors.

Depending on the angle of vision, Altuglas® Iridescent shows off iridescent sparkles ranging from opal to gold with green, purple, crimson and red creating a captivating sight at first glance.



## ALTUGLAS® ESSENTIAL /

Lasting beauty... The Altuglas® Essential range's exceptional resistance to solvents (five times greater than traditional sheet) makes it a strong ally for displays subject to cleaning with corrosive products and other aggressive, alcohol-based agents. All colors in our range are available in "Essential", even for small quantities.

And there is no need to apply a protective coat to ensure their longevity. Altuglas International invented this process, which continues to set the standard in terms of crazing-resistance.

# A large collection to satisfy all designers and give free rein to their imagination



## ALTUGLAS® UV STOP /

Some products need protection from harsh UV rays. This is particularly the case for the various artworks on display in museums and other exhibition spaces.

The perfectly transparent Altuglas® UV Stop range is ideal for showcasing artworks without risk of deterioration.



## ALTUGLAS® FOOD CONTACT /

In accordance with EU regulation 10/2011, Altuglas® Food Contact has gained all the accreditations\* required for use in contact with foodstuffs. Its brand new composition eliminates the risk of the migration of substances harmful to health. It is particularly suited to water-based and alcoholic (up to 20%) products as well as oily foods. Easy to maintain and simple to clean, its luster is such that it will certainly showcase even your most delicate dishes.

\* A named certificate can be provided upon request.



## ALTUGLAS® LED SYSTEM /

To align itself with the increasingly widespread use of LED bulbs in illuminated signs, Altuglas International has designed next-generation PMMA, optimized for uniform, optimal light diffusion, which also eliminates the dots of light that make people «see spots.» The result not only reduces energy consumption; it is also radiant and even.

**For specific project needs, Altuglas International offers a custom color creation service. The LED Color range is now available with one satin side.**



## ALTUGLAS® NIGHT & DAY /

Altuglas® Night & Day provides one of the most remarkable demonstrations of the high degree of technicality employed by Altuglas International's Research & Development Department. Thanks to an exclusive additive formula, Night & Day sheet produce a surprising «2-in-1» effect between day and night. For example, a sheet may be black during the day, only to turn white at night when lit up. Altuglas® Night & Day is now available in the standard range in black and white, gray and white, green and white, blue and white, red and black, blue and black, and green and black. Other Altuglas® Night & Day products are also available and can be developed. By employing this process, signs made using this sheet always contrast with their surrounding environment and guarantee maximum impact for their message.



## ALTUGLAS® CLEARWHITE /

A first step into the fantastic world of Altuglas®. Unparalleled brightness and shine for a material of great purity, ranging from invisible transparent to translucent white, or perfectly opaque with a light transmittance rate of close to 0%.





## ALTUGLAS® ELIT III /

Dress your advertising in light.

Elit III can be used as a simple poster holder or full advertising billboard. This range has been designed to add impact to your message when you frame it in the tangentially-lit holders. No more ugly spotlight effects; the light is beautifully diffused across the entire surface. This patented first-of-its-kind effect is achieved using micro-particles embedded in the PMMA. They diffuse the light emitted from the sheet edge and themselves act as light sources.

Altuglas® Elit III can be used with one or two sides.



## ALTUGLAS® COLOURS /

Extreme shine and an almost infinite choice of colors for this range, which allows light to be pleasantly diffused or can be virtually opaque\*.

\*Light transmittance rate ranging from 1% to 3% for the entire range and 0% for black and white 100 47010.

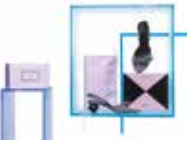
## ALTUGLAS® TRANSPARENT COLOURS /

One of the brand's best-sellers. Available in a multitude of colors, from the lightest to the darkest, its scope of use is unlimited. It is a favorite among designers who like to combine colors to create original lighting effects.



## ALTUGLAS® SMOKE /

A smoked acrylic glass that protects against very bright light. This range hinges on a palette of colors running from gray to dark brown. PMMA's natural impact resistance and ability to block UV rays make Altuglas® Smoke the perfect material for creating portholes and other light wells, for example.



## ALTUGLAS® DUAL SATIN /

A satin appearance on both sides, to play with internal and external light, and... an astonishingly nice and smooth feel to the touch. The Altuglas® Dual Satin surface shows no fingerprint marks. A material dedicated to display units and indoor furniture.

Altuglas® Dual Satin is also available in a single-sided satin-finish version under the name of Altuglas® Mono Satin.



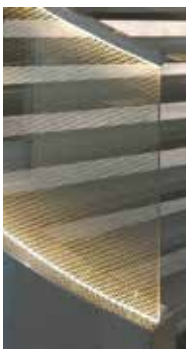
## ALTUGLAS® FLUO /

By day, the fluorescent effect can be seen in its brightness, equivalent to that of illuminated neon. The light is evenly diffused, bringing the material to life and attracting the eye. **For an even more surprising effect, the Altuglas® Fluo range also comes in Mono Satin and Dual Satin versions.**



## ALTUGLAS® SOFT FLUO /

Altuglas® Soft Fluo guarantees you increasingly astonishing lighting effects. Here, the PMMA is delicately tinted with a soft, transparent color. When illuminated, the edge takes on a pure hue, in harmony with the color of the sheet, giving it a magnificent two-toned look or «dichroic effect.» But this range is at its most fascinating at night, when directly lit with a black light. A particularly attractive choice for store layouts. **The Altuglas® Soft Fluo range also comes in Mono Satin and Dual Satin versions.**



## ALTUGLAS® SIGNATURE /

With Altuglas® Signature, you get a sheet collection with embedded, lightly woven fabrics. Designed for the world of luxury and high-end goods, this innovative material required lengthy research in order to perfect it. Altuglas® Signature is first and foremost an original collection that comes in five patterns, incorporating lace, non-woven fabrics, and various nettings. LED lighting on the edge contributes to the magic of this unique material, in which the brilliance of the acrylic glass combines with the weave of the fabric to reveal surprising optical effects. As a result, depending on the power and angle of the lighting, a tight weave will make the sheet opaque, while non-woven fabric will create a disconcerting 3D effect.

**Altuglas® Signature can also be customized by inserting a fabric of the designer's choice. Unique objects guaranteed.**

### Need a specific color for even more customization?

Color Match makes it possible to choose any hue, based on a Pantone® or Ral® color chart.

**An à la carte service available to anyone, depending on the quantity.** Prototypes that generally require only small quantities can now be produced with Altuglas®.

Please contact your Altuglas® sales team to request your color.

### Altuglas® acrylic glass is available in sheet and blocks

**Sheet:** up to 3,050 x 2,030 mm, with a thickness of 2 to 25 mm.

**Blocks:** up to 2,000 x 1,200 mm, with a thickness of 30 to 90 mm.

Altuglas® Signature in 2000 x 1220 mm only.

*"Our R&D aims to understand and anticipate our customers' needs and respond with innovative new material."*

**Philippe THEPOT,**  
General Manager EMEA



## TECHNICAL SKILLS AND EXPERIENCE FOR ADVANCEMENTS IN TECHNOLOGY /

With many years of experience, Altuglas International provides unrivaled expertise in acrylic glass technology around the world. PMMA offers aesthetically pleasing and optical properties in addition to a long service life.

Marketing and development teams join the market and technical leaders to remain on the cutting edge of the industry. The three development priorities are:

- Innovate and improve the properties of our sheet and resin.
- Focus on our customers to better understand their needs and quickly provide the right solutions.
- Make progress in the lighting, automotive & transport, building & construction, consumer goods, and design sectors.

## WELCOME TO THE WORLD OF ALTUGLAS INTERNATIONAL, A SUBSIDIARY OF ARKEMA GROUP

A world leader in PMMA technology, Altuglas International is highly involved in the technical plastic sector, ranging from MAM monomers to PMMA acrylic glass. Altuglas International designs and manufactures innovative products tailored to our global customers' needs. Our 920 strongly committed employees contribute to our three business areas daily (MAM, PMMA resin and sheet). Our four main brands set the market standard: Altuglas®, Plexiglas® (America), Oroglas® and Solarkote®.

[www.altuglas.com](http://www.altuglas.com)

**Many leading companies around the world ask Altuglas International to help design and plan their creations.**

If you require further information, do get in touch with us. Please consult the Arkema disclaimer hereafter for questions related to the terms and conditions of use of our products  
<http://www.arkema.com/fr/products/product-safety/disclaimer/index.html>

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