

ALTUGLAS®  
BY ARKEMA

ALTUGLAS®

# Design and Interior Decoration





#### **A remarkable polymer**

- It offers exceptional optical properties and transparency, for transmission of light superior to glass
- A real UV blocker
- Refractive index of 1.49
- Smooth, shiny, matte or rough appearance, to elevate the senses
- Excellent resistance to atmospheric factors and impacts
- Density of 1.19 (2.5 times lower than glass)

## UNLEASHING CREATIVITY /

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

**ALTUGLAS®**

# Creative imagination is its only limit

## FORMING EVERY WHICH WAY TO SATISFY EVERY DESIRE /

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 work. Like wood, it can be cut with a saw or a laser, then sculpted, glued, screwed, milled, painted, or even printed or 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 used in a vast array of sectors, like furniture, decor, car, events, point-of-sale advertising, store layouts, electric signs, 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. Lighting can be set up in the main sides or the edges, depending on the desired effect. Using LED bulbs, anything is possible.

## THE CIRCULAR ECONOMY, LITERALLY /

PMMA is infinitely recyclable: acrylic glass is crushed, and then heated, before being melted down into a liquid mixture. Once that process is complete, new sheets can be cast. It can then be broken down again, using a chemical process, to obtain methyl methacrylate, the base monomer.







## 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%.

# A large collection to satisfy every designer and give free rein to their imaginations



## ALTUGLAS® COLORS /

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

### 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, regardless of quantity.**

## ALTUGLAS® TRANSPARENT COLORS /

One of the brand's best-sellers. Available in a multitude of colors, from the lightest to the darkest, not to mention the flashiest, 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 window wells, for example.



\* Light transmittance rate ranging from 1-3% for the entire range and 0% for black.







## ALTUGLAS® DUAL SATIN /

A satiny appearance on both sides, to play with internal and external light, and... an astonishingly sensual feel to the touch. A material dedicated to display units and indoor furniture.

**With one side rather than two, Altuglas® Dual Satin is also available in a single-sided satiny 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. But this range is at its most fascinating at night, when lit up directly. 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 provides an assurance of 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." A particularly attractive choice for store layouts.

**The Altuglas® Soft Fluo range also comes in Mono Satin and Dual Satin versions.**



## ALTUGLAS® SIGNATURE /

Altuglas® Signature is a collection of sheets with a gently woven piece of fabric embedded inside them. Dedicated to the world of luxury and high-end goods, this innovative material required lengthy research in order to perfect it. Above all, Altuglas® Signature is an original collection that comes in seven patterns, incorporating lace, non-woven fabrics, or different 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.**

### **Altuglas® acrylic glass is available in sheets and blocks**

Sheets: 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 110 mm.

*"The aim of our R&D is to understand and anticipate the needs of our customers and respond with new innovative material."*

**Philippe THEPOT,**  
General Manager EMEA



## TECHNICAL SKILLS AND EXPERIENCE FOR ADVANCEMENTS IN TECHNOLOGY /

Thanks to its many years of experience, Altuglas International provides unrivalled expertise in PMMA and acrylic glass technology around the world. PMMA offers aesthetically pleasing and optical features 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.
- Get ahead in industries and markets such as lighting, automotive and transportation, building and construction, consumer goods and design.

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

Altuglas International, a global integrated leader in PMMA is heavily involved in the technical plastic sector – from MMA monomer to PMMA acrylic glass – creating and manufacturing innovative products to suit customers' needs worldwide. Its 920 highly committed staff make their contribution daily in our three businesses (MMA, sheet and PMMA resins). Its four great brand names are references: Altuglas®, Plexiglas® (Americas), Oroglas®, Solarkote®.

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

**Many leading companies on the five continents rely on Altuglas International to take part in the design and plan of their achievements.**

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 product <http://www.arkema.com/fr/products/product-safety/disclaimer/index.html>

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