

**ALTUGLAS<sup>®</sup>**  
BY ARKEMA

ALTUGLAS<sup>®</sup>  
**Signage**





### **A remarkable polymer**

- A natural UV blocker that never yellows
- Extraordinary resistance to atmospheric factors and impacts
- Density of 1.19 (2.5 times lower than glass)





**ALTUGLAS®**

# A stand-out brand

## **ALTUGLAS®: THE PERFECT ACRYLIC GLASS FOR SIGNS /**

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 visual communication, particularly illuminated signs.

## **AN EXTRAORDINARY MATERIAL THAT CAN SATISFY ANY NEED /**

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. PMMA is an extraordinary material, chosen by many business sectors for its robustness and its light weight.



## SAVE ENERGY COSTS WITH ALTUGLAS® LED SYSTEM TECHNOLOGY

Altuglas® acrylic sheets and blocks offer exceptional light transmission enhanced by LED lighting.

Sensitive to current environmental conditions, Altuglas International has developed a specific technology called LED System, which allows a significant reduction in energy costs: **the light is of the same quality as a conventional system while using fewer LEDs or less powerful LEDs.**



Sarjeeling  
collection de lingerie

## STANDING OUT /

Signs are major contributors to the success of visual communications. In fact, they are the first visible aspect of a brand. These are great reasons for ensuring they are of good quality. PMMA makes it possible to seize every opportunity to stand out from the crowd. This polymer is extraordinary in many ways: it provides UV protection, never yellows, and is resistant to the effects of time and climate.

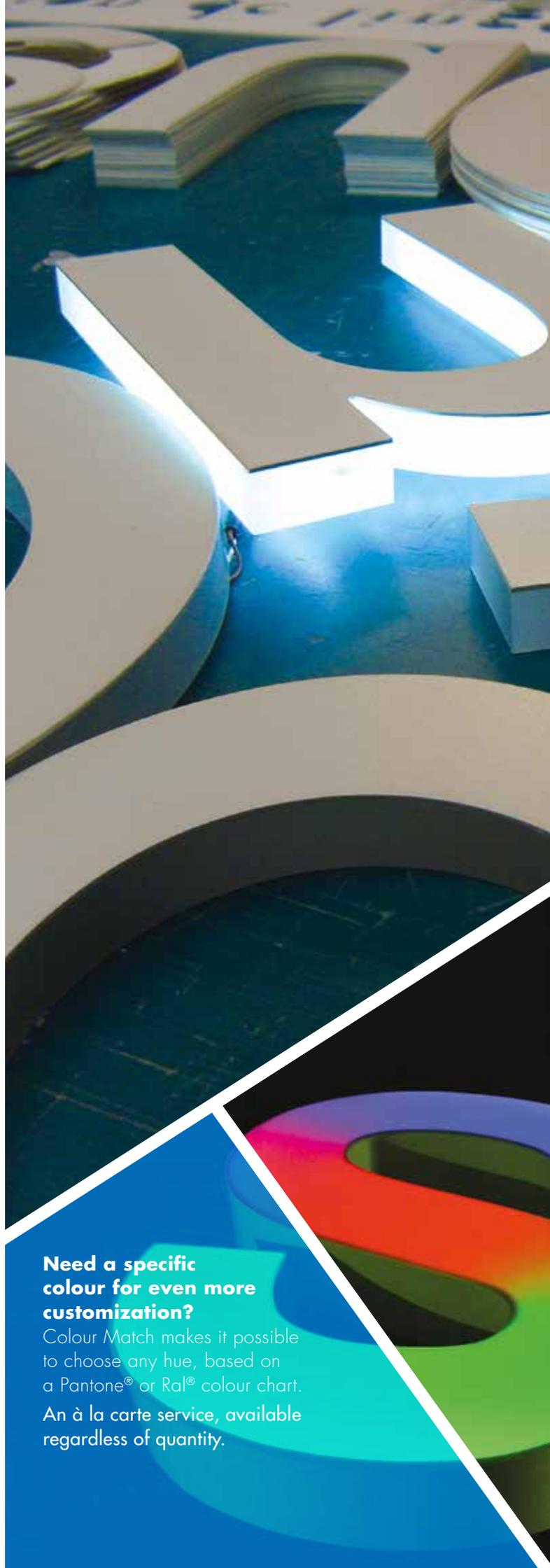


## ALWAYS AHEAD OF THE PACK /

As a true expert in PMMA, Altuglas International dedicates its expertise to developing new formulas, in order to continuously enhance the polymer's capacities. As a result, the latest generation of sheets can be described as eco-responsible, even efficient. And for good reason: their exclusive formula improves the diffusion of light, resulting in reduced energy consumption - fewer LED bulbs used - by up to 20%, compared to classic acrylic sheets.

## 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.



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# Major innovations specially dedicated to signs



## ALTUGLAS® BLOCKS /

Altuglas® Blocks cast acrylic sheets can be anywhere from 30 to 90 mm thick. High-level light transmission (after machining), diffused evenly across the sheet, makes this an excellent choice on the signage market. This range is also suited to LED lighting.



## 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, the Altuglas® Night & Day sheets 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. The Altuglas® Night & Day range is now available in black and white, gray and white, green and white, and blue and white. By employing this process, signs made using these sheets always contrast with their surrounding environment and guarantee maximum impact for their message.



## ALTUGLAS® CLEARWHITE /

A first step into the fantastic world of Altuglas®. Whites and opals of 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® COLOURS /

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

### 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.

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

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



## 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.**



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