

Illuminated Signs and POS Advertising

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:

- Innovating and improving the properties of our sheets and resin.
- Focusing on our customers to better understand their needs and quickly provide the right solutions.
- Making 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 strongly-committed employees contribute to our three business areas daily (MAM, PMMA sheets and resins). Our four main brands set the market standard: Altuglas®, Plexiglas® (Americas region), Orogas® and Solarkote®.

altuglas.com

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

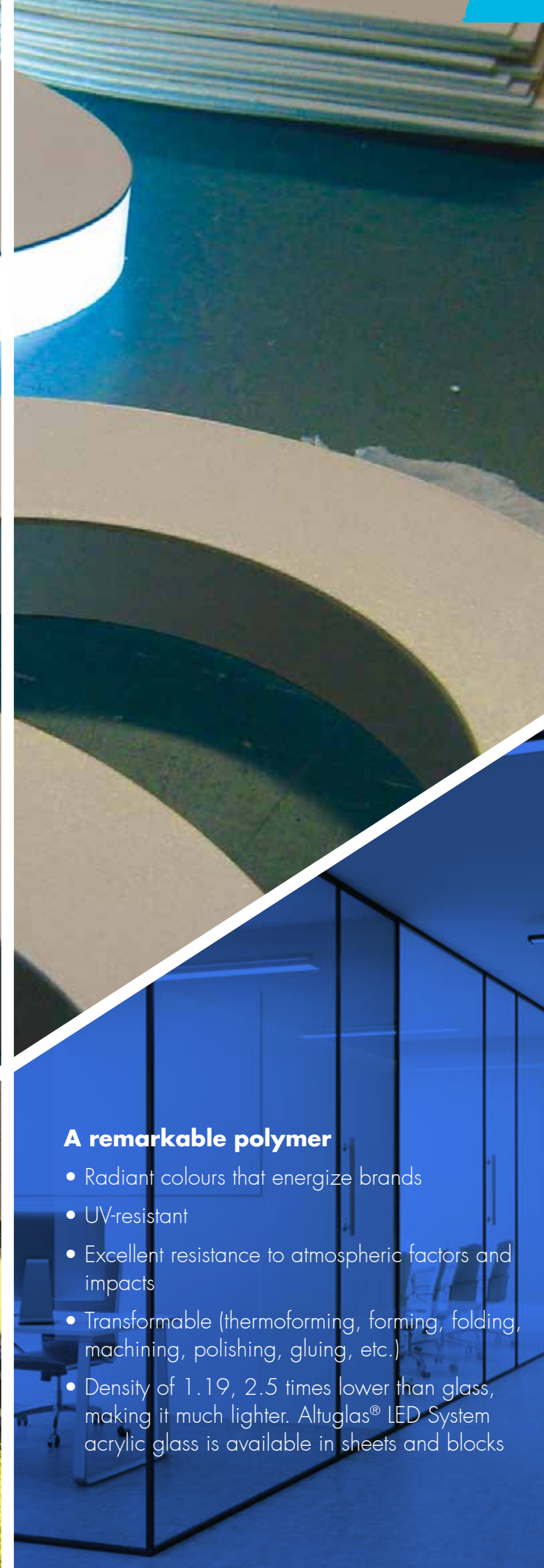
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ALTUGLAS® LED SYSTEM

An exclusive formula designed to control light



The leading global manufacturer of PMMA (polymethyl methacrylate), better known as acrylic glass, Altuglas International, a subsidiary of Arkema, innovates to always stay ahead of the curve...

With the Altuglas® LED System, the research labs at Altuglas International have perfected a novel, optimized formula that maximizes light diffusion and produces a uniform effect. The colours in our range of sheets and blocks* offer extraordinary light transmittance and make this acrylic glass a particularly sound choice for brands that want to be effectively visible.

*By request, the colours can be matched to your company's graphic charter.

A remarkable polymer

- Radiant colours that energize brands
- UV-resistant
- Excellent resistance to atmospheric factors and impacts
- Transformable (thermoforming, forming, folding, machining, polishing, gluing, etc.)
- Density of 1.19, 2.5 times lower than glass, making it much lighter. Altuglas® LED System acrylic glass is available in sheets and blocks

Altuglas® LED System acrylic glass is available in sheets and blocks

Sheets:

Standard size:
3050 x 2030 mm
Available thicknesses: 3, 4, 5 or 10 mm, depending on the product (other thicknesses available by request)

Blocks:

Standard size:
2000 x 1200 mm
Available thickness: 30 mm for all of the products in our catalog (other thicknesses available by request)

- No spotlight effects
- Uses fewer LEDs, for reduced power consumption
- Low voltage, little maintenance required
- Long service life
- UV-resistant
- Similar colour, whether the light is on or off
- Simplified design and shapes
- Lettering that is more delicate and more attractive, perfectly suited to downtown areas and shopping malls

AN ECO-FRIENDLY MATERIAL /

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 sheets.

In addition, the Altuglas® LED System very high level of light transmittance reduces energy consumption and the number of LEDs used by up to 20%, compared to classic PMMA.