

## TEN-YEAR GUARANTEE ON OROGLAS<sup>®</sup> LED

**Altuglas International guarantees that the Oroglas<sup>®</sup> Led and Oroglas<sup>®</sup> Blocks Led of any colour and thickness in Oroglas<sup>®</sup> catalogue retain virtually all their characteristics after 10 years exposure to weather. This guarantee covers the rigidity, tensile strength and colour retention.**

### RETENTION OF RIGIDITY

The modulus of elasticity is measured in accordance with the **ISO 178** standard on 1 to 4 mm parallel-faced samples that have been conditioned at 23°C and at 50% relative humidity.

**Oroglas<sup>®</sup> Led and Oroglas<sup>®</sup> Blocks Led** – minimum guaranteed on delivery: 3000 MPa

**Oroglas<sup>®</sup> Led and Oroglas<sup>®</sup> Blocks Led** – minimum guaranteed after a 10-year period: 2800 MPa

### RETENTION OF TENSILE STRENGTH

The tensile strength at break is measured in accordance with the **ISO 527** standard on 1 to 4 mm parallel-faced samples at 23°C and at 50% relative humidity.

**Oroglas<sup>®</sup> Led and Oroglas<sup>®</sup> Blocks Led** – minimum guaranteed on delivery: 65 MPa

**Oroglas<sup>®</sup> Led and Oroglas<sup>®</sup> Blocks Led** – minimum guaranteed after a 10-year period: 60 MPa

### COLOUR RETENTION

The colour stability of the **Oroglas<sup>®</sup> Led and Oroglas<sup>®</sup> Blocks Led** after 10 years of outdoor exposure (depending on the geographical area) is to our knowledge the best that can be attained for a cast PMMA. During this period of outdoor exposure some degree of colour variation can be expected, however Altuglas International ensures that this colour variation will be so small as to pass undetected by an observer at a distance beyond 3 meters.



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### GUARANTEE CONDITIONS

The **Oroglas® Led and Oroglas® Blocks Led** should be stored, handled, transported, machined and installed in accordance with the manufacturer's instructions.

Fastening and sealing sheets together should be carried out in such a manner so as not to have any negative impact on the sheets. The sheets should not be exposed to the harmful effects of chemical agents. Please refer to our Technical Brochure for details of finishing operations and chemical resistance.

### GUARANTEE PERIOD

This 10-year guarantee takes effect from the date on which the material is received by the customer.

### APPLICATION OF THE GUARANTEE

This guarantee applies if damage occurs within the conditions stated above and if that damage is notified to the stockist within the guarantee period.

This guarantee is limited to the free replacement of the **Oroglas® Led and Oroglas® Blocks Led products** only.

### GENERAL NOTES

The retention of rigidity and tensile strength of the **Oroglas® Led and Oroglas® Blocks Led** are guaranteed in accordance with the paragraphs above.

All guaranteed values are measured on machined samples taken from a parallel-faced material.

These values cannot be measured precisely on products whose edges are not straight.

The guarantee is no longer valid if screen printing is applied or aggressive chemicals are used for surface treatment.

[oroglas.com](http://oroglas.com)

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