

## TEN-YEAR GUARANTEE ON ALTUGLAS® CN, BLOCKS & EX

**Altuglas International guarantees that the Altuglas® Cast, Blocks and Extruded clear products of any thickness up to 90 mm, retain virtually all their characteristics after 10 years exposure to weather. This guarantee covers light transmission, rigidity and tensile strength.**

### RETENTION OF LIGHT TRANSMISSION

Measurements are based on the **ASTM D1003** Standard. They are taken on 2 mm thick samples whose surfaces have been thoroughly cleaned and re-polished. The light transmission values have been taken initially and after a 10-year period as follows:

**ALTUGLAS® CN 100 10000** and **BLOCKS 160 10001** – minimum guaranteed on delivery: 90%

**ALTUGLAS® CN 100 10000** and **BLOCKS 160 10001** – minimum guaranteed after a 10-year period: 88%

**ALTUGLAS® EX 200 10000** – minimum guaranteed on delivery: 90%

**ALTUGLAS® EX 200 10000** – minimum guaranteed after a 10-year period: 88%

### 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.

**ALTUGLAS® CN 100 10000** and **BLOCKS 160 10001** – minimum guaranteed on delivery: 3000 MPa

**ALTUGLAS® CN 100 10000** and **BLOCKS 160 10001** – minimum guaranteed after a 10-year period: 2800 MPa

**ALTUGLAS® EX 200 10000** – minimum guaranteed on delivery: 3000 MPa

**ALTUGLAS® EX 200 10000** – 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.

**ALTUGLAS® CN 100 10000** and **BLOCKS 160 10001** – minimum guaranteed on delivery: 65 Mpa

**ALTUGLAS® CN 100 10000** and **BLOCKS 160 10001** – minimum guaranteed after a 10-year period: 60 MPa

**ALTUGLAS® EX 200 10000** – minimum guaranteed on delivery: 65 Mpa

**ALTUGLAS® EX 200 10000** – minimum guaranteed after a 10-year period: 60 MPa

## TEN-YEAR GUARANTEE ON ALTUGLAS® CN, BLOCKS & EX

### GUARANTEE CONDITIONS

The **Altuglas® CN, Altuglas® Blocks and Altuglas® EX sheets** 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 **Altuglas® Cast, Altuglas® Blocks and Altuglas® EX products** only.

### GENERAL NOTES

For **Altuglas® CN, Altuglas® Blocks and Altuglas® EX "smoked" or "transparent colours" sheets**, the retention of rigidity and tensile strength are guaranteed in accordance with paragraphs above.

However, light transmission and colour are not covered within this guarantee.

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

The 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.

The statements, technical information and recommendations obtained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, Altuglas International/Arkema expressly disclaims any and all liability.

NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OR MERCHANTABILITY, OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN

The information provided herein relates only to the specific product designated and may not be applicable if said product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein should be construed as an inducement to infringe any patent, and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.