

WARRANTY for COLOUR STABILITY OF PLAZCAST acrylic sheets

PLAZCAST cast acrylic colored sheets, are guaranteed for color stability.

We use the best available pigments and dyes which have the highest color stability available on the market today, providing PLAZCAST products with the best color stability possible.

PLAZCAST sheet is UV protected by specially formulated UV stabilizers.

The inherent UV resistance of acrylic enables the surfaces of the sheets to maintain their original properties according to our warranty for clear sheets.

Within 10 years the changes in color of PLAZCAST sheets are so slight they cannot be perceived under normal viewing conditions.

In addition to this warranty, we offer object-specific color Guarantees.

It is assumed that there will be slight color change over the 10 year period which occurs slowly and evenly, so as to be barely perceivable to the eye, obviously the color of a 10 year old sheet cannot be compared to the color of a completely new sheet.

Warranty conditions and exclusions

All guaranteed values are determined on cleaned samples.

The products must be fabricated and stored, transported, processed, installed and used properly and correctly, according to our general conditions of use instructions.

Thermoforming should not be performed and chemical products which are unsuitable for use with acrylic should not be used either.

This warranty is given only with regard to sheets which are transported, stocked, installed, used, cleaned and maintained in accordance with Plazit technical specifications and which have not been exposed to harmful chemical influences. No warranty will be available for sheets that have been exposed to corrosive materials and environments.

Laser cutting may cause edge discoloration. We strongly recommend to carry out a test before performing this procedure.

This warranty is for a period of 10 years for black, white and opal shades.
All other colors are guaranteed for 5 years.



Warranty period

Should any failure to conform to this warranty appear within three years from the date of original purchase, Plazit will, upon written notice thereof accompanied by full documentation from the customer, within thirty days of discovery of such defect

or failure, and after substantiation by Plazit 2001 that the terms above have been fulfilled, including on-site inspection, supply replacement sheets free of charge, or at its sole option, refund the purchase price thereof.

During the subsequent seven years of the warranty period, Plazit 2001 will supply replacement sheets against return of defective sheets at a cost to the customer of 1/120) one hundred and twentieth (of the list price in effect, for such sheets at the time of the warranty claim, multiplied by the number of months from the date of original purchase until the date of replacement.

This warranty does not cover the cost to the customer of removal of defective sheets or the installation of replacement sheets, or be liable for any consequential or incidental damage, loss or expenses of any kind whatsoever, including but not limited to injury to persons or property, loss of use of the products, loss of goodwill, loss of profits, claims by clients of the customer (the initial purchaser).

This warranty does not cover damage or failure caused by misuse, abuse or negligence, nor does it apply to sheets upon which repairs or alterations have been made other than by an authorized representative of Plazit Iberica.

This is the sole warranty for the sheets, and Plazit Iberica makes no other warranty of any kind, express or implied, including any implied warranty of merchantability or fitness for a particular purpose.

This warranty is personal to the customer (the initial purchaser) and shall not inure to the benefit of subsequent purchasers, transferees, assignees, successors or receivers.



ACRYSIGN High Quality Cast Acrylic sheets

Technical specification: *Sheets complies with International standard UNE-EN-ISO 7823-1*

PROPERTIES	Unit	Method	Value
Density	g/cm ³	ISO 1183	1.19
Water absorption	%	ISO 62 (1)	0.3
Flammability	class	UL-94	HB
Optical			
Light transmission (clear sheet)	%	ISO 2857	92
Haze (clear sheet)	%	EN 2155-9	1
Refractive index (clear sheet)		ISO 489	1.49
MECHANICAL			
Tensile Strength	MPa	ISO 527-2	74
Elongation at break	%	ISO 527-2	5
Tensile Modulus	MPa	ISO 527-2	3280
Flexural Strength	MPa	ISO 178	114
Flexural Modulus	MPa	ISO 179	3350
Rockwell hardness	M -scale		100
Impact resistant- Izod notched	kJ/m ²	ISO 180/1A	1.5
Impact resistant- charpy unnotched	kJ/m ²	ISO 179/1fu	15
THERMAL			
Vicat softening point	°C	ISO 306	115
Residual Shrinkage (Internal Stress)	%		<2
Temp. of deflection under load 1.8 Mpa	°C	ISO 75-1	105
Coefficient of linear thermal expansion	K ⁻¹	EN 2155-12	7 x 10 ⁻⁵
Vicat softening temperature (50 N)	°C	ISO 306	103
Recommended Continues Service Temperature	°C		82
Recommended Forming Temperature	°C		140-190
ELECTRICAL			
Specific Resistivity	Ohm	DIN 53458	>10 ¹⁵
Volume Resistivity	Ohm x cm	DIN 53458	>10 ¹⁵
Dielectric Constant 50 Hz		DIN 53458	3.6
Disipation Factor 50 Hz		DIN 53458	0.06

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