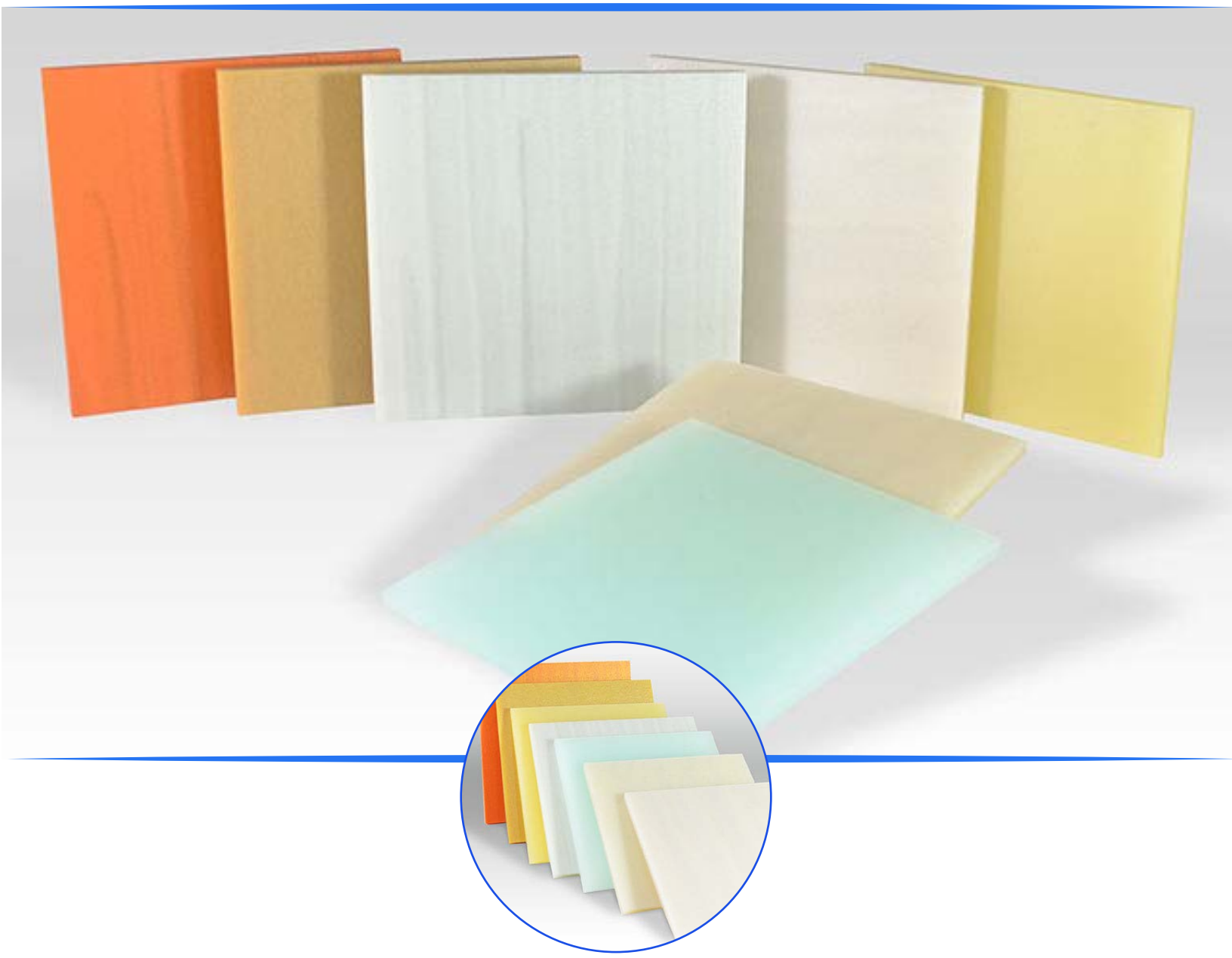
STONIA®

A real stone in acrylic

CHEMCAST®



UNIGEL

INTRODUCTION

Stonia® is a trade mark of hybrid acrylics manufactured in Mexico by Plastiglas. Due to its attributes it allows designers, architects and interior decorators freedom to create comfortable environments to live and to enjoy, offering sensations of space, light and warmness due to the effects it produces upon conjugating it with natural and artificial light.

Stonia® is an acrylic surface with veins that simulates natural onyx stone; non porous material, with high hardness and easy to maintain. It is highly hygienic because it does not allow fungus formation. Its easy maintenance allows the material to be one of the cleanest and brightest surfaces.

Stonia® is available in a range of colors and designs that motivate your imagination to create and innovate life styles, luxury and exclusivity.

APPLICATIONS AND PRODUCT RANGE

-Stonia is recommended for indoor applications only.

-Decorative luminaries: walls, ceilings, hanging lamps.

-Internal partitions.

-Table covers in bars and restaurants.

-Indoor and outdoor facades.

-Table gardens and POP stands.

-Decorative articles.

BENEFITS

	-Highly aesthetic.
	-High light transmittance.
	-Creates optical effects depending on Edge finishing.
	-Harmonizes environments.
	-Hygienic.
	-Inert.
	-Reparable.
	-Easy to process & install.

PRODUCT RANGE

Thickness mm (in)	48″X96″
0.177″	
0.220″	

0.472″ (thickness available upon request)

GUARANTEED THICKNESS

Thickness	+/-
0.177″	0.139″ – 0.199″
0.220″	0.175″ – 0.245″
0.472″	0.402″ – 0.502″

COLORS

Solid colors

JADE
ST-100

AQUA
ST-200

VANILLA
ST-203

ALABASTER
ST-205

SUN
ST-201

GOLDEN
ST-204

FIRE
ST-202

Considering that material pretends to simulate natural stone, color design and pattern may vary compared to the reference sample. The patterns veins are susceptible to variation making every sheet unique.

CHEMICAL RESISTANCE

CHEMICAL	CODE	CHEMICAL	CODE
Acetic Acid (10%)	LR	Hydrogen Peroxid	R
Acetic Acid (glacial)	N	(3%) Isopropyl Alcohol	LR
Acetone	N	Kerosene	R
Ammonium Chloride	R	LacquerThinner	N
Ammonium Hydroxide	R	Methyl Alcohol (30%)	LR
Benzene	N	Methyl Alcohol (100%)	N
Calcium chloride	R	Methyl Ethyl Ketone	N
Carbon Tetrachloride	N	Methylene Chloride	N
Chloroform	LR	Nitric Acid (10%)	R
Chromic Acid (1 0%)	N	Nitric Acid (100%)	N
Chromic Acid (conc.)	N	Phenol (5%)	N
Diethyl Ether	LR	Sodium Chloride	R
Dioctyl Phthalate	LR	Sodium Hidroxide (10%)	R
Ethyl Alcohol (30%)	N	Sodium Hypochloride	R
Ethyl Alcohol (95%)	N	Sulfuric Acid (3%)	N
Ethylene Dichloride	N	Sulfuric Acid (conc.)	N
Ethylene Glycol	R	Toluene	N
Gasoline	LR	Trichloroethylene	N
Glycerine	R	Turpentine	R
Hexane	R	Water (distilled)	R
Hydrochloric Acid	R	Xilene	N

The code is used to describe chemical resistance as follows:

R = RESISTANT
Acrylic cast withstand this substance for long periods and at temperature up to l20°F (49°C).
LR = LIMITED RESISTANCE
Acrylic only resists the action of this substance for short periods at room temperature.
N = NOT RESISTANT
Acrylic is not resistant to this substance. lt is swelled, attacked, dissolved or damaged in some manner.

These values are typical and should not be taken as specification

PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	TYPICAL VALUE (1)	TEST METHOD
MECHANICAL		
Specific weight (gr/cm3)	1.42	ASTM D792
Tensile strength (psi)	6100	ASTM D638
Elongation at rupture (%)	2.7	ASTM D638
Modulus of elasticity (psi)	340,000	ASTM D798
Flexural strength (psi)	11000 – 13000	ASTM D 798
Impact strength Izod (ft lb/in)	1.3	ASTM D-256
Rockwell hardness	74	ASTM D785
Impact Gardner (lb/in)	65	ASTM D3029
THERMAL		
Forming Temperature (°C) (°F)	140 - 180	ASTM D648
Detection Temperature Under Load (264 psi) (°C) (°F)	85	ASTMD 648
Maximum recommended continuous service temp (°C) (°F)	167	ASTM 1525

PACKAGING

All Stonia® sheets protected with white paper masking in both sides, material is packaged in standard pallets, shipments should be submitted to +/- 10% of the quantity ordered.

TECHNICAL SUPPORT

Plastiglas de México offers technical support to assist customers in setting the proper processing conditions for optimizing Stonia® sheet performance.

LIMITED WARRANTY

Plastiglas de Mexico warrants its STONIA® cell cast acrylic sheets against any origin manufacture defect. Warrant covers properties and characteristics expressed on the catalogs of product. This is a limited warranty only for the STONIA® cell cast acrylic sheets. No transformation or installation jobs are considered on it.
This limited warranty does not consider any fault or damage during sheet transformation or installation. Customer should follow the technical recommendations for processing STONIA® cell cast acrylic sheets.
This limited warranty does not consider any damage caused for the excessive heat exposure and or any non recommended chemical agents used for cleaning and maintenance. Customer should see the Plastiglas de Mexico s recommended maintenance methods.
Plastiglas de Mexico has no liability under any circumstance for the cost of removal of defective sheet or the installation of replacement sheet or for indirect incidental or consequential damage.

In order to make a claim under the foregoing warranty, please contact Plastiglas de México or one of our representatives. You will be required to show a representative evidence of the problem and provide a purchase order number and or information regarding batch number printed on the label of the acrylic sheet.

CHEMCAST®
MR
PLASTIGLAS

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where solutions take shape

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