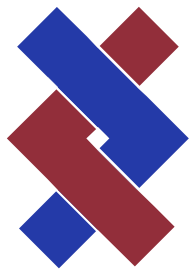


CHEMCAST[®]
The all purpose cell-cast acrylic sheet



CROSSLINKED
MARINE



Chemcast XL is a high crosslinked acrylic sheet which resists mechanical and chemical stress due to cleaning and environmental agents.

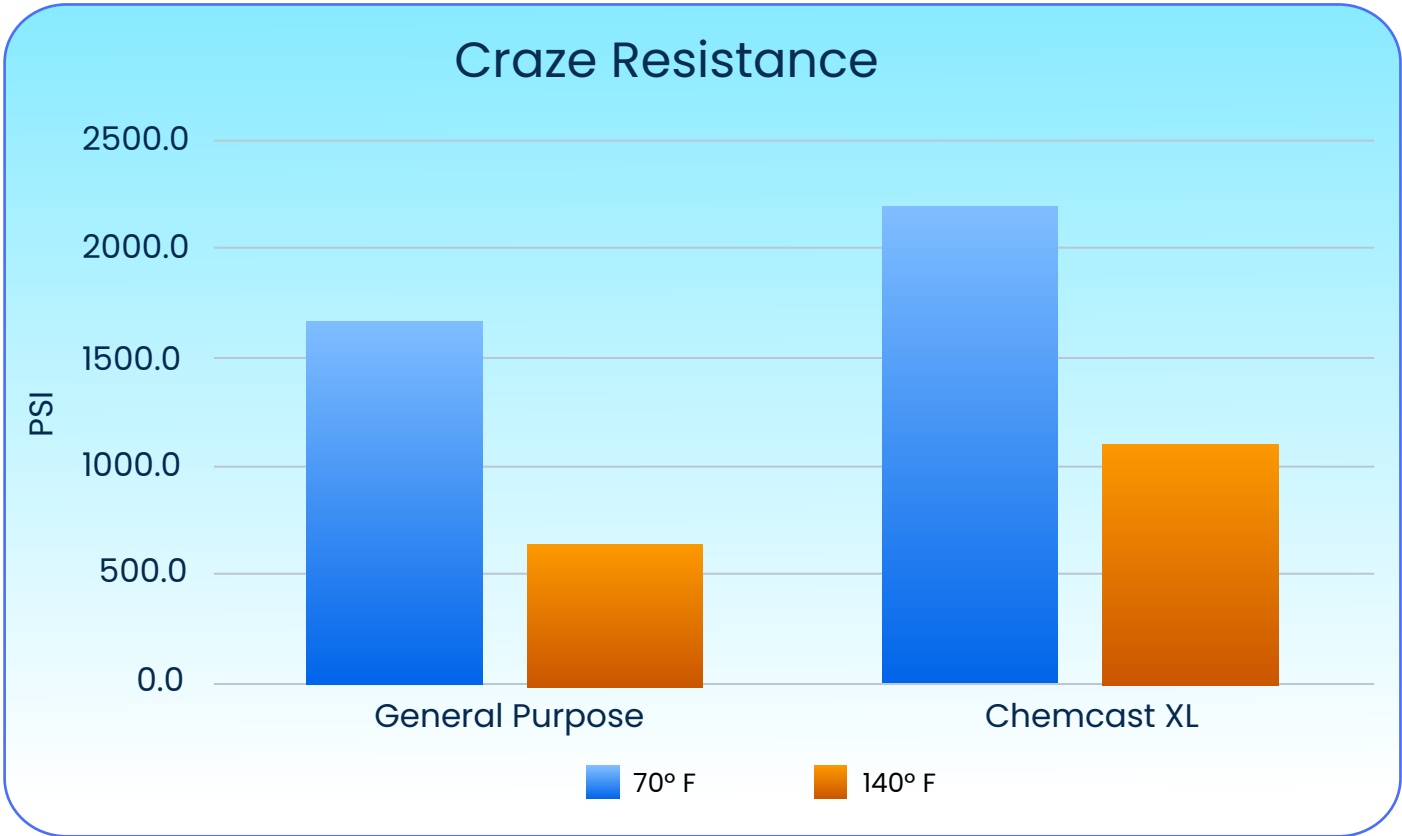
Chemcast XL was especially designed to reduce the effect of expansion and contraction due to environmental temperature changes at sea level.

Chemcast XL has been tested according to ASTM F-484-02 standard for Stress Cracking performance.

Chemical Resistance Guide

CHEMICAL NAME	General porpuse	Chemcast XL
Ammonium chloride	R	R
Ammonium hydroxide (10%)	RL	R
Hydrochloric acid	R	R
Chloroform	RL	RL
Gasoline	RL	R
Isopropyl alcohol	RL	R
Methyl alcohol	RL	R
Glacial Acetic acid	N	N
Acetone	N	RL
Ethanol (30%)	N	R
Ethanol (96%)	N	R
Methylene chloride	N	RL
Sulfuric acid (3%)	N	N
Xylene	N	RL

R= RESIST
 RL= MODERATE RESISTANCE
 N= NON RESISTANT



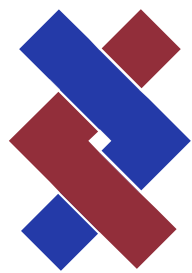
Product Availability

Product	Colors	thickness	Sizes
Chemcast XL	2370	0.236"	48"x 96"
	2540	0.354"	51"x 100"
	2404	0.472"	60"x 96"
	2538		72" x 96"
	2094		
	CLEAR		

PHYSICAL AND MECHANICAL PROPERTIES

PROPERTY	TYPICAL VALUE (1)	TEST METHOD
OPTICAL		
Specific Gravity	1.18	ASTMD 792
Optical Refractive Index	1.49	ASTMD 542
Haze (%)	2.0	ASTMD 542
Light Transmission (%)		
0.100" - 0.197"	92	ASTM 1003
0.220" - 0.472"	90	ASTM 1003
MECHANICAL		
Tensile Strength (psi)	9600	ASTM D638
Elongation at Rupture (%)	4.5	ASTM D638
Modulus of Elasticity (psi)	425,000	ASTM D798
Impact Strength (ft lb/in)	0.4 - 0.5	ASTM 256
Flexural Strength (psi)	15000 - 16000	ASTM D 798
Rockwell Hardness	M (90 - 100)	ASTM 785
Barcol Hardness	50	ASTM 2583
THERMAL		
Forming Temperature (°C)	140 - 180	ASTMD 648
(°F)	284 - 356	ASTMD 648
Detection Temperature Under Load (264 psi) (°C)	91	
(°F)	196	
Maximum recommended continuous service temp (°C)	80	ASTM 1525
(°F)	176	ASTM 1525
MISCELLANEOUS		
Water absorption (24 hrs.-23°C-73°F) (%)	0.3%	ASTM 570

All values referred to 3.0 mm (0.118") acrylic sheet. These values are typical and should not be taken as specifications.



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WWW.CHEMCAST.COM.MX

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INTERNATIONAL

USA

CANADA

PHONE

52(722) 279 6800

1877 818 3716

1866 403 5238

FAX

52(722) 279 6819

1877 818 3718

1866 403 5239