

# THE CLEAR CHOICE FOR TANNING BEDS

**POLYCAST<sup>®</sup>**

CELL CAST ACRYLIC

*Solacryl<sup>®</sup>*  
**SUVT**



# 10,000 Hour Limited Warranty

THE WORLD'S LARGEST  
SUPPLIER OF SPECIALTY  
CELL CAST ACRYLIC SHEET  
AND THE LEADING  
SUPPLIER OF AIRCRAFT  
TRANSPARENCIES FOR  
MILITARY AND COMMERCIAL AVIATION  
BRINGS YOU SOLACRYL SUVT.

## SUPERIOR CLARITY

SOLACRYL® SUVT is crystal clear, equaling the finest optical glass. It is, quite simply, the highest clarity acrylic available in the tanning industry. And it maintains a high transmission of ultraviolet radiation for years.

## LONG-LASTING GUARANTEE

Polycast warrants SOLACRYL SUVT for 10,000 hours – and we'll match any warranty in the industry. This long service life allows for fewer replacements and lower labor costs which, in turn, means increased profits. Think of what it will cost if you don't use SOLACRYL!

## IMPACT RESISTANCE

SOLACRYL is a hard and tough high-quality cell cast acrylic. It can stand up to heavy-duty, continuous daily use in salons, and it resists nicks and scratches that can reduce UV transmission.

## RESISTS YELLOWING AND HAZING

When an acrylic sheet yellows or clouds, less ultraviolet radiation passes through. Since SOLACRYL SUVT resists yellowing or haze – even after hours of extended service – the tanning session always delivers the proper exposure, and the result is customer satisfaction every time.

**POLYCAST®**  
CELL CAST ACRYLIC



Stabilized UV Transmitting Acrylic Sheet

### CHEMICAL RESISTANCE

SOLACRYL SUVT has the chemical resistance of high-quality cell cast acrylic sheet, and cleanup is a breeze. Nothing more than a mild soap or detergent and lukewarm water is needed to restore its sparkle.

### EASILY FORMED

SOLACRYL sheet is easy to work with. It can be cut, drilled, and shaped by conventional techniques. And, as a thermoplastic, it can be thermoformed to any contour – from gentle curve to multi-wing. A thermoformable protective masking, can be left on the sheet throughout fabrication until final installation.

### COMPETITIVELY PRICED

SOLACRYL is a premium product with superior clarity, but costs no more than other high-quality acrylics.

### QUALITY

Our cell cast process, by its very nature, provides a clearer, higher quality product. Nevertheless, we employ stringent quality control procedures. Sheet thickness is carefully monitored, and sheets are visually inspected for defects. The UV transmission of every batch is measured before it

is released. Prior to shipping, SOLACRYL SUVT sheet is covered on both sides with a low-tack thermoformable masking to protect it during transit.

### PRODUCT AVAILABILITY

Five standard sheet sizes, up to 6' X 8', in all standard thicknesses – up to 0.500 in. – are inventoried, and we cut to your size at no additional cost. Custom thicknesses quoted upon request.

### DELIVERY

Fast delivery is a hallmark of Polycast. Stocking locations are strategically located in California, Illinois, Texas, Florida, and New Jersey.

### SERVICE

Polycast has one customer service representative for every field representative. Customer needs get top priority. We air freight sheets to meet tight deadlines. Questions on the selection, use, or properties of our acrylics always receive a prompt reply. And our technical support group is always available to help solve problems or forming needs, even at your location.

For over 30 years,  
Polycast has taken  
pride in its products  
and in its commitment  
to quality, delivery,  
and service.

## 10,000 HOUR LIMITED WARRANTY

Polycast warrants that our SOLACRYL® SUVT acrylic sheet will transmit a minimum of 70 percent of available ultraviolet light measured at 340 nanometers for 10,000 hours under following conditions:

- Lamps used must be 85 to 100 watts maximum and have peak emission between 340 and 350 nanometers. (Examples: Sunlite F72-ST350-SM-85-100W and Instantan F72T12-ST350-HO)
- The minimum distance between the acrylic and the bulb is 7/8".
- The temperature between the acrylic and the bulb must not exceed 50°C.
- Sheet thickness must not be more than 3/16".

Light transmission value at 340 nanometers will be determined by standard spectrophotometric techniques on a thoroughly cleaned sample.

This warranty does not cover loss of ultraviolet light transmission caused by yellowing, crazing, scratches, dirt, breakage, or other damage. Furthermore, this warranty does not cover damage to the sheet as a result of stains caused by the use of inappropriate chemicals, including oils, lotions, creams, cosmetics, cleaners, and disinfectants. A list of appropriate cleaners and disinfectants may be obtained from your local SOLACRYL SUVT sheet distributor, or directly from Polycast, 70 Carlisle Place, Stamford, CT 06902; (800) 243-9002.

THE FOREGOING IS OUR SOLE WARRANTY FOR SOLACRYL® SUVT ACRYLIC SHEET. WE HEREBY DISCLAIM ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATIONS, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

*The warranty covers only the light transmission of SOLACRYL SUVT acrylic sheet under the conditions set forth above. Furthermore, there is no warranty or liability for crazing of the sheet. Polycast assumes no responsibility for the use of the SOLACRYL SUVT sheet, nor for the health and safety of any person who comes in contact with this product. Since the application and conditions of use are beyond Polycast's control, the user is solely responsible to determine the suitability of the product for the user's specific application.*

THE SOLE LIABILITY OF Polycast IN THE EVENT OF ANY BREACH OF THE FOREGOING WARRANTY WILL BE TO REPLACE ANY SOLACRYL SUVT SHEET. Polycast reserves the right either to replace the sheet or to provide a refund at current prices. In addition, Polycast assumes no responsibility for any costs incurred in removing defective sheet or installing a replacement, nor for any damage to persons or to property, nor for any indirect, incidental, or consequential damages.

Any person making a claim in connection with this warranty should contact Polycast, 70 Carlisle Place, Stamford, CT 06902, or the nearest SOLACRYL SUVT acrylic sheet distributor. A Polycast representative will contact you to arrange for inspection of the sheet. At the time of inspection, we will need evidence that shows the purchase date of the sheet and when it went into service.

Some states do not permit the exclusion or limitation of incidental and consequential damages. The foregoing warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Made in the  
USA**

## TYPICAL PHYSICAL PROPERTIES OF SOLACRYL SUVT ACRYLIC SHEET

Property(1)	Value	Test Method
Modulus of Elasticity, psi	400,000	ASTM D638
Tensile Strength (Rupture), psi	8600	ASTM D638
Elongation Rupture, %	6-8	ASTM D638
Specific Gravity	1.19	ASTM D792
Residual Shrinkage, %	2.2	ASTM D4802
Refractive Index	1.49	ASTM D542
Luminous Transmittance (as-cast), %		ASTM D1003
Parallel	91	
Total	92	
Haze	<1	
Hot Forming Temperature, °F	290-330	
Heat Distortion Temperature, °F	264	ASTM D648
Maximum Continuous Service Temperature, °F	140-170	
Coefficient of Linear Thermal Expansion, in/in/°F	0.000042	ASTM D696
Flammability, in/min	1.1-1.3	ASTM D635
UL Flame Class	94 HB	UL
Self-Ignition Temperature, °F	800-860	ASTM D1929
Plastic Component	Listed	UL 746C

(1) Tests conducted on material 0.187 in. thick (average value).

NOTE: These data are typical sheet properties and are not intended for specification purposes. They are the latest at the time of publication and are authentic to the best knowledge of the company. The properties are listed solely to give general guidance and are not to be construed as a warranty of any type. Please contact Polycast for specific data to meet your design criteria.



**SPARTECH**

www.solacryl.com  
polycast.marketing@spartech.com

**MODERN plastics**

"Setting the Standards in Plastics Distribution"™

ISO 9001:2008 and ISO 13485:2003 Certified

88 Long Hill Cross Road, Shelton, Connecticut, 06484 USA

ModernPlastics.com - National Toll-Free: 800.243.9696

Phone: 203.333.3128 - Fax: 203.333.4625

sales@modernplastics.com