

## Extreme Performance Urethane Acrylic Elastomeric Sealant

White • 00600

### Product Description

SunTech EP is a single component, high performance, gun-grade, acrylic urethane elastomeric Sealant. Formulated from premium technology, reduces dirt pickup, eliminates yellowing and shiners. Internally plasticized resin requires no mixing or priming to bond to most materials, including concrete, wood and masonry. Superior adhesion and durability, 50% total joint movement and 800% elongation. Forms an airtight, water resistant seal, once cured the bead is mildew resistant. SunTech is safe for UV exposure and will not discolor.

<p><b>Recommended Substrates</b></p> <ul style="list-style-type: none"> <li>Masonry, concrete and brick</li> <li>Ceramic tile and glass</li> <li>Primed metals</li> <li>Wood and plywood</li> <li>Windows, doors and counters</li> <li>Trim, flashings, penetrations and siding</li> </ul> <p><b>Product Features</b></p> <ul style="list-style-type: none"> <li>Exceeds ASTM C-920, Grade NS, Class 25</li> <li>Exceeds ASTM C834, Type OP, Grade -18° C</li> <li>Exceeds Fed Spec TTS-00230C, Type S, Class A</li> <li>Meets AAMA 808.3</li> <li>Excellent adhesion &amp; flexibility</li> <li>Excellent resistance to mildew</li> <li>Up to 2" in properly designed joints</li> </ul> <p><b>Product Limitations</b></p> <p>This product is for use on properly prepared above grade vertical substrates. Do not apply to horizontal surfaces or areas that come in constant contact with moisture or standing water.</p>	<p>Available bases   0600: White</p> <p><b>Application:</b> Caulk gun, brush or flexible knife</p> <p>Dry time @ 50% RH*: 15 MIN tooling time 60 MIN tack free 4 - 6 hours to paint</p> <p>*dry times listed may vary according to the relative humidity, temperature, film build, color and air movement of the application environment</p> <p>Flash Point: None Clean Up: Soap and water Odor: Mild sweet acrylic</p> <p><b>Compliance</b></p> <p>Freeze Thaw Stability Passes 5 cycles @ 0°F (1 cycle = 16hrs. @ 0°F, 8hrs at 75°F)</p> <p>This product is VOC compliant based on limits provided by EPA, CARB, MPI GSP-1 &amp; GSP-2, LEEDv4, OTC and SCAQMD.</p>	<p><b>Product Data</b></p> <p>Product Type: <b>Proprietary Urethane/Modified Acrylic</b></p> <p><b>00600</b></p> <p>Gloss @60° : N/A Weight / Gallon 9.3 ± 0.5 lbs. Vol Solids ±2%: 70% Coverage / Tube * 3/16" bead, approximately 53 linear feet * coverage will vary by application thickness, substrate type and porosity. VOC gms p/L** : &lt;20 ** less exempt solvents and before the addition of colorant</p> <p>Consistency: 10 - 25 G/S @ 75°F (SEMCO gun @ 50PSI) Service Temp: -40°F to 180°F Application Temp: Air, product and substrate temperature 40°F and rising, not to exceed 95°F; substrate temperature no greater than 120°F.</p>
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Tensile Properties		Formulation Characteristics			ASTM C-794 Peel Adhesion		ASTM C-719 ± 25% Joint Movement	
Stress @ 25% Elongation (PSI)	6 ± 1	pH	7.5 - 8.3	Aluminum	36 C	24 C	Pass - NF	
Stress @ 50% Elongation (PSI)	6 ± 1	Extrusion Rate (g/sec)	20	Glass	42 C	26 C	Pass - SF	
Maximum Stress (PSI)	160	pH After 30 days @ 50° C	<8.3	Cement	7 SF	19 C	Pass - SF	
Elongation to Break	1025%	ASTM C-793 Flexibility 1/2" Mandrel after 250 hours WOM @ -15° C	Pass					
Elongation at Max Stress	900%							

**Test Parameters:** Dry adhesion was measured after curing for one (1) week at room temperature, followed by two (2) weeks at 50° C. Wet adhesion was measured after an additional one (1) week water soak.

**Failure modes:** C - Cohesive, LC - Light Cohesive, A - Adhesive, SF - Substrate Failure.

**Tensile Testing:** 1/8" inch thick wet slabs and cured for either one (1) day at room temperature followed by one (1) day at 50°C, followed by one (1) day at 60°C or one (1) week at room temperature followed by two (2) weeks at 50°C. Tensile testing was done at 2"/min on a dumbbell sample at 75°F. Sample gauge length was assumed to 0.725".

**Surface Preparation - WARNING!** If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

**General Surface Preparation:** All surfaces must be firm and free of oil, dirt, grease, efflorescence, mildew and any loose material. Unsound masonry must be prepared to a firm surface by wire brushing, grinding or abrasive blasting. Pressure washing (2400+ PSI) and chemical cleaners are best for removing all dirt, grease, grime, oil, chalk and loose materials. Any chalk not removed must be sealed with an approved chalk-binding primer or sealer. Hairline cracks less than 1/32" wide do not have to be cut out, all cracks up to 3/16" should be cut out and cleaned prior to application of this product.

**Concrete, Stucco and Masonry Surfaces:** New concrete and masonry should cure for at least 30 days and preferably 90 days prior to painting. The PH of the substrate must be less than 10 prior to priming with an alkali resistant primer. Block mortar joint should cure for at least 30 days prior to priming. Fill block with appropriate blockfiller.

**New Wood:** Unpainted wood or wood in poor condition should be sanded smooth, wiped clean and then primed. Any knots or resinous areas must be primed before painting.

**Ferrous Metal:** The surface must be cleaned thoroughly to remove any dust, rust, and surface contaminants and then primed with a corrosion resistant primer.

**Directions:** For cracks less than 1/32" in width, apply with a brush, putty knife or trowel at a minimum thickness of 1/16". Start at the center of the crack and feather the material to either side of the crack down to zero over a 2" area. Larger cracks should be flushed with clean water to remove all dust and debris and checked to see if the substrate is sound. If dust remains after flushing, prime with an alkali resistant primer to seal the surface before applying patching compounds. Fill the joint with a small crest remaining to allow for shrinkage; allow a minimum of four (4) hours of curing and apply a second coat as per small cracks. For joints exceeding 1/4" a backer rod may be required for optimum performance.

**Safety - CAUTIONS: KEEP OUT OF REACH OF CHILDREN! DO NOT TAKE INTERNALLY! USE ONLY WITH ADEQUATE VENTILATION!** Avoid prolonged contact with skin, and breathing of dust, vapors or spray mists. Avoid contact with eyes and wear eye protection. If adequate ventilation is not possible, wear a NIOSH approved respirator to avoid inhalation of the fumes and wear clothing designed to prevent skin contact. Wash skin thoroughly after handling. Close container after each use and store in a secure, shaded and dry location. **First Aid:** Wash skin thoroughly with plenty of warm soap and water. In case of eye contact immediately flush with plenty of water for 15 minutes and get medical attention immediately. If you experience difficulty breathing leave area to obtain fresh air. If continued difficulty is experienced get medical attention immediately. If swallowed do not induce vomiting and get medical attention immediately.

### Storage and Disposal

Product should be kept from freezing temperatures or temperatures above 95°F. Refer to your local city or county government for instructions on disposal options.

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