



# SPI ENVELO-POUR™

ENVIRONMENTALLY FRIENDLY POURABLE FOAM  
AVAILABLE IN 2.0 - 30.0 DENSITY

## DESCRIPTION

**SPI ENVELO-POUR™ closed cell 2.0 lb - 30 lb density is a two component, rigid polyurethane system for pour foam applications. This foam is low viscosity and is specifically designed for pour operations to produce rigid foam for slab jacking, as well as pole set in lieu of concrete. Other uses include tooling, flotation, mold fabrication, and void filling.**

## FEATURES

- No dangerous heavy metal catalyst (such as lead or mercury).
- No ozone depleting products (ODP).
- No bromine or other halogenated components.
- No formaldehyde components.
- Mildew, bacteria, and fungus resistant.
- Contains renewable resource components.
- Considered safe for burial and landfill disposal.
- Compliant with USDA/FDA requirements for incidental food contact.

## RECOMMENDED USES

- Slab Jacking
- Pole Set
- Tooling
- Flotation
- Mold Fabrication
- Void Filling

## DID YOU KNOW??

**SPI manufactures a complete portfolio of rigid spray and pour polyurethane foam components in densities ranging from .5 to 45 lbs per cu. ft.**

### INCLUDING

- » CLASS 1 FLAME AND SMOKE
- » IGNITION BARRIER RATED
- » ROOFING & STRUCTURAL
- » CONCRETE LIFTING/SLAB JACKING FOAMS
- » COAST GUARD COMPLIANT FLOTATION
- » TOOLING, MOLDING, and TAXIDERMY
- » FAST SHIPPING AVAILABLE FROM OUR MANUFACTURING FACILITIES IN ANCHORAGE, CHICAGO, DALLAS & SEATTLE



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## TYPICAL PHYSICAL PROPERTIES

<b>Viscosity @ 77°F (25°C)</b>	"A" 200 ± 50 mPa.s "B" 700 ± 100 mPa.s
<b>Specific Gravity @ 25°</b>	"A" 1.24 g/ml "B" 1.05 g/ml
<b>Mixing ratio, % by volume</b>	"A" 50 "B" 50
<b>ColorA:</b>	"A" Amber "B" Clear
<b>Storage Temperature</b>	60° - 90°F (15° - 32°C)
<b>Shelf Life (unopened)</b>	12 months
* When continuously stored and maintained at above temperatures	

## REACTIVITY PROFILE @ 77°F (25°C)

<b>Cream Time</b>	1 min.
<b>Rise Time</b>	3 min.
<b>Tack Free Time</b>	3 - 5 min.
<b>Cure Time</b>	4 hours

NOTE: The reactivity profile of the foam can be varied as needed. Density and reactivity profiles will change using other processing methods and/or equipment. Processing at a higher temperature will speed up reactivity profile.

## PACKAGING

This product sold in standard 100 gallon drum and 500 gallon tote sets. Available in other container sizes, contact sales representative for further information. Non-standard containers may require a longer lead time.

## LIMITATIONS

This product is for professional use only.

Minimum material/container temperature for pour application is 70°F (21°C).

This product has not been tested for flame spread or smoke development.

Not to be installed within two inches (2") of heat emitting devices, where temperatures is in excess of two hundred degrees (200°F).

Liquid temperature in containers during application of product should be 70°F (21°C) minimum, 80°F (27°C) optimum, and 90°F (32°C) maximum.

For the most up to date technical data sheet and/or safety data sheet (SDS) visit our website at [specialty-products.com](http://specialty-products.com).

## STORAGE & HANDLING

Maintain storage area for materials between 60 - 80°F at all times. Open drums with caution to prevent loss of blowing agent and potential personal chemical contamination.

## PROCESSING EQUIPMENT

The pour equipment used to apply the liquid components shall be of the heated, airless type capable of supplying each component with  $\pm 2\%$  of the mixing ratio by volume (50 parts A to 50 parts B [1:1]) and maintaining a temperature of the mixed components at the gun of 120°-130°F. Optimum component pouring pressures and temperatures will vary as a function of the type of equipment utilized, material system used, ambient and substrate conditions, and the specific application. Thorough, intensive mixing of the components at the gun, either by mechanical, hydraulic, or air action is essential to producing acceptable foam quality. Ideal material drum temperatures for pouring should range from 65° to 80°F.

**CAUTION:** Extreme care must be taken when removing and reinstalling drum transfer pumps so as NOT to reverse the "A" and "B" components.

## GENERAL SAFETY, TOXICITY, & HEALTH

Safety Data Sheets are available for this coating material. Any individual who may come in contact with these products should read and understand the S.D.S. **CHEMTREC EMERGENCY NUMBER 1-800-424-9300**

**WARNING:** Contact with skin or inhalation of vapors may cause an allergic reaction. Causes eye damage/irritation. Avoid eye contact with liquid or spray mist. Hypersensitive

persons should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

**CONTAMINATION:** Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected, carbon dioxide created pressure can develop. Do not attempt to use contaminated material.

**EYE PROTECTION:** Safety eye wear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield.

**SKIN PROTECTION:** Personal protective equipment for the body should be selected based on the task being performed; the risks involved, and should be approved by an industrial hygiene specialist before handling this product. Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing.

**RESPIRATORY PROTECTION:** Harmful if inhaled and may cause allergy or asthma symptoms. Ensure adequate ventilation. If the respirator is the sole means of protection, use a full-face supplied respirator. Use respirators and components tested and approved under appropriate government standards such as OSHA 29CFR 1910.134, NIOSH (US), or CEN (EU). Consider the application and environmental concentrations when deciding if additional protective measures are necessary.

**INGESTION:** Do not take internally. It is believed that ingestion of polymeric isocyanates would not be fatal to humans, but may cause inflammation of mouth and stomach tissue.

**FIRE HAZARD:** Fires involving "A" or "B" components may be extinguished with carbon dioxide, dry chemical, or inert gas. Application of large quantities of water spray is recommended for spill fires. Personnel fighting the fire must be equipped with NIOSH approved self contained breathing apparatus.

### Cleaning of Spills or Leakage

Cover the area with an inert absorbent material such as clay or vermiculite and transfer to metal waste containers. Saturate with water but do not seal the container with the isocyanates and water mixture. The area should then be flushed with large amounts of water, in the case of the "B" component, or 5% aqueous ammonia, in the case of the "A" component. Dispose of these materials in compliance with federal, state and local regulations.

**Caution:** Isocyanates will react with water and generate carbon dioxide. This could result in rupture of closed containers.

## WARRANTY & DISCLAIMER

Specialty Products, Inc. has no role in the manufacture of the finished polymer other than to supply its two components. It is vital that the person applying this product understands the product, and is fully trained and certified in the use of plural-component equipment. Specialty Products, Inc., an Alaska corporation, warrants only that the two components of this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product are dependent upon the proper mixture and application of the components by the applicator. There are no warranties that extend beyond the description on the face of this instrument. Failure to apply the product within the parameters stated on this document shall void the warranty. SPECIALTY PRODUCTS, INC. MAKES NO WARRANTY OF MERCHANTABILITY OF THE PRODUCT OR OF FITNESS OF THE PRODUCT FOR ANY PARTICULAR PURPOSE. Specialty Products, Inc. makes no warranty as to the quality of any product modified, supplemented, tinted, or altered in any way after it leaves the manufacturing plant. Use of this product in a potable water container could be hazardous to health. The liability of Specialty Products, Inc. for any nonconformity of the product to its technical specifications shall be limited to replacement of the product. The sole exclusive remedy of buyer, which is to have Specialty Products, Inc. replace any nonconforming product at no cost to buyer, is conditioned upon buyer notifying Specialty Products, Inc. or its distributor in writing of such defect within thirty days of the discovery of such defect. Specialty Products, Inc. shall not be liable for any direct, incidental, or consequential damages resulting from any breach of warranty. The data presented herein is intended for professional applicators or those persons who purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer. The aforementioned data on this product is to be used as a guide and is subject to change without notice. The information herein is believed to be reliable, but unknown risks may be present. Specialty Products, Inc. makes no warranties, expressed or implied, including patent warranties or warranties of merchantability or fitness of use, with respect to products or information set forth herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent. Accordingly, the buyer assumes all risks whatsoever as to the use of these materials and buyer's exclusive remedy as to any breach of warranty, negligence, or other claim shall be limited to the purchase price of the materials. Failure to adhere to any recommended procedures shall relieve Specialty Products, Inc. of all liability with respect to the materials and the use thereof



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**Product & Equipment Technical Assistance**  
**24 hours - 7 days a week 800 627 0773**



**SPI Website**

### **CONTACT US**

2410 104<sup>th</sup> St. Ct. S. Suite D, Lakewood, WA 98499  
**SPECIALTY-PRODUCTS.COM**  
1 800 627 0773 **FAX 253 588 7196**  
info@specialty-products.com



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