



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

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

REACTIVITY PROFILE @ 77°F (25°C)

Cream Time	1 min.
Rise Time	3 min.
Tack Free Time	3 - 5 min.
Cure Time	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.

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

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