



SPI ENVELO-POUR™

Environmentally Friendly Pourable Foam
Available in 2.0 lb – 30.0 lb Density

Revised 11.14.13

DESCRIPTION

SPI ENVELO-POUR™ 2 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 tooling, flotation, mold fabrication, and void filling.

This product has excellent processing characteristics. Good dimensional stability and adhesion to substrate.

SPI ENVELO-POUR™ 2.0 lb – 30.0 lb is formulated using only Polyether polyols enhancing its hydrolytic stability.

SPI ENVELO-POUR™ can be custom formulated in densities ranging from 2.0 lb – 30.0 lb.

This product is sold in 10, 30, and 100 gallon drum sets and 500 gallon tote sets.

Green Features

- No Dangerous Heavy Metal Catalysts (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

COMPONENT PROPERTIES

PROPERTY	"A" SIDE (ISOCYANATE)	"B" SIDE (RESIN)
Color	Amber	Clear
Viscosity @ 77°F (25°C)	195 cps	± 700
Storage Temps	60°F – 90°F (15°C – 32°C)	60°F – 90°F (15°C – 32°C)
Shelf Life(unopened)	1 year	1 year
Mixing Ratio(Volume)	1	1

Note: When continuously stored and maintained at above temperatures

STANDARD PRODUCT REACTIVITY @ 77°F (25°C)*

Cream time	1 min
Rise time	3 min
Tack Free time	3 – 5 min
Cure time	4 hrs

*The reactivity profile of the foam can be varied as needed.

PRODUCT LIMITATIONS

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 temperature is in excess of two-hundred degrees (200°F).

RECOMMENDED EQUIPMENT and SETTINGS LPG Proportioner

- Lock 'n Load gun with the SPI foam air nucleation kit
- Product and hose temperature "A" component 75°F
- "B" component 100°F

RECOMMENDED EQUIPMENT AND SETTINGS Conventional Plural-Component Equipment

- Standard 1:1 ratio, heated, plural-component equipment developing a minimum of 1200psi (8.34mpa) dynamic pressure with heating capabilities to 150°F (66°C) will adequately spray this product. These include Graco 20/35, 20/35 Pro, H-2000, H-3500, HV-20/35, Reactor A-20, E-20, E-30, E-XP1, E-XP2, H-25, H-40, H-XP2, H-XP3, SPI 18/18 and SPI Gusmer 25/25. Gun models include Fusion AP, MP, Gap Pro, Gusmer D7, GX-7 DI, GX-7-400, GX-8 Pro, SPI D-7, Fusion CS, and Model D gun. Pre-heater temperature should be a minimum of 130°F – 140°F (54°C – 60°C).
- Hose temperature should be 130°F – 140°F (54°C – 60°C). A hose thermometer inserted under the insulation near the gun should read a minimum of 135°F (57°C).
- Substrate temperature should be a minimum of 50°F (10°C).



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SPI Manufacturing/Distribution Locations: Lakewood, WA · Rowlett, TX · Anchorage, AK

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GENERAL SAFETY, TOXICITY & HEALTH DATA

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

NOTE: Polyurethane Foam products under certain conditions may present a significant fire hazard. The potential for such hazard depends upon a broad range of factors influenced by the manufacturer or user of the product. Any person or firm engaged in the use of Polyurethane Foam materials should carefully determine the potential for fire in their processes and use all precautions outlined by local, state, and federal regulations.

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothes, gloves and use protective cream on face, hands and other exposed areas.

CLEAN UP: Use DPM, NMP, Polyclean.

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

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended.

SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible, with appropriate clothing.

RESPIRATORY PROTECTION: Use a respirator approved for isocyanates and organic vapors. If you are not sure or not able to monitor levels, or if you are spraying in an enclosed/indoor area, use MSHA/NIOSH approved supplied air respirator. Consider the application and environmental concentrations in 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.

LIMITATIONS

- This product is for professional use only.
- Minimum material/container temperature for spray application is 70°F (21°C).
- Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected, CO₂ created pressure can develop. Do not attempt to use contaminated material.

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.

Specialty Products, Inc. does not warrant that this product is suitable for use as a liner for potable water containers. Use of this product in a potable water container could be hazardous to health if it is improperly processed or applied.

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.

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1974 Serving the Plural-Component Industry



Product & Equipment Technical Assistance
24 hours – 7 days a week (800) 627-0773



SPI
WEBSITE