



DESCRIPTION

EPL-8 is a 100% solids, high elongation, self-leveling, elastomeric, pure polyurea.

FEATURES

- 100% solids. Zero VOC's.
- Does not require special equipment to process.
- When sprayed, acts as a highly resilient adhesive basecoat for use with topcoats such as SPI pure polyurea products & polyurethane elastomers. Contact SPI Technical Service for specifics.
- It is used to seal joints in low temperature applications such as freezers and cold storage
- Meets USDA requirements for incidental food contact.

RECOMMENDED USES

- Self-leveling base coat
- Spot repair of pre-existing coatings
- Deck repairs
- Crack repairs
- Hard to reach places not accessible to spray equipment
- Control joint filler
- Warehouse floor repairs

COLORS

EPL-8 comes in standard Black. Custom colors are quoted upon request.

It should be noted that EPL-8 is an (aromatic) polyurea; therefore, depending on duration of U.V. (ultra-violet) exposure, loss of color intensity as well as superficial oxidation may occur.

Aliphatic polymeric topcoat such as NPTC, or other approved topcoats can be used where long-term aesthetics are of critical importance.

WET PROPERTIES	
Solids by Volume	100%
Solids by Weight	100%
Volatile Organic Compounds	0 lbs/gal (0g/l)
Theoretical Coverage DFT	100 sq. ft. @ 16 mils/gal
Weight per Gallon	8.55 lbs. (3.87 kg)
Mix Ratio	1 "A": 1 "B"
Shelf Life @ 60-90°F (15-32°C)	Six months

DRY PROPERTIES*

Tensile Strength ASTM D 412	1352 psi (mpa)
Elongation	135%
Hardness (Shore D) @ 0s	42%
Hardness (Shore D) @ 10s	34%
100% Modulus	1032 psi (mpa)
Tear Resistance	306.7 pli (67.1 KN/m)
Package Size	2 qt. kits

**All dry film properties are approximate because of processing parameters, as well as add mixture types and quantities will change physical properties of cured elastomer. All samples for above tests were force cured or aged for more than three weeks. It is recommended that the user perform their own independent testing.*

CURING SCHEDULE

Pot Life @ 75°F (25°C)	±8 min.
Tack Free*	Up to 12 hours
Final Cure*	3-4 days

**Elevated temps will speed up the curing process.*

INSTALLATION

- Mix @ 1:1 ratio for two minutes.
- Some applications may require use of a primer prior to application of the sealant depending on substrate.
- **Due to very short pot life, all materials must be used immediately after mixing.**

Follow the instructions attached to A and B containers.

MAINTENANCE

If EPL-8 is damaged and the surface has not been contaminated, it can be repaired by cutting out the damaged part, abrade, solvent wipe, and reapplying EPL-8 to the cleaned section.

LIMITATIONS

- EPL-8 is for professional application only.
- EPL-8 must be stored at temperatures between 60° F to 90° F (15 °C to 30 °C).
- Minimum material/container temperature for application is 70°F(21 °C).
- Avoid moisture contamination in containers. Containers should not be resealed if contamination is suspected, carbon dioxide (CO₂) created pressure can develop. Do not attempt to use contaminated material.
- Read and observe all precautions, instructions and limitations that are included with all containers of EPL-8.
- Undried air exposed to liquid components will reduce physical properties of the cured coating.

Note: The material supplied is two components (A & B) used to formulate EPL-8. The mixture and application of the two components determine the quality and characteristics of the finished polymer.

GENERAL SAFETY, TOXICITY & HEALTH DATA

Material Safety Data Sheets are available on this coating material. 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**

WARNING: Contact with skin or inhalation of vapors may cause an allergic reaction. Avoid eye contact of the liquid or spray mist.

CLEAN UP: Use DPM, NMP, Polyclean.

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.

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

RESPIRATORY PROTECTION: Use a respirator approved for isocyanates and organic vapors. If you are not sure or not able to monitor levels, use MSHA/NIOSH approved supplied air respirator. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

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 is 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.

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.

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The data presented herein is not intended for non-professional applicators or those persons who do not 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.

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SPECIALTY PRODUCTS INC., 2410 104TH St. Ct. S. Ste. D, Lakewood, WA. 98499 1-800-627-0773

www.specialty-products.com info@specialty-products.com

SPI Manufacturing/Distribution Locations: Lakewood, WA · Garland, TX

Worldwide Distribution: Anchorage, AK · Fairbanks, AK · Edmonton, Canada · Toronto, Canada · Quebec City, Canada · Tampico, Mexico · Buenos Aires, Argentina · Caracas, Venezuela · Brisbane, Australia · Christchurch, New Zealand · Tokyo, Japan · Seoul, South Korea · Shanghai, China · Jakarta, Indonesia · Yeakatrinberg, Russia · Tel Aviv, Israel · Dubai, UAB