

Plastic Poxy™

Spec Sheet #S00086
May 2011

Epoxy



DESCRIPTION

Unique combination of fast acting epoxy resin and hardener in a single, co-extruded stick can be used on many plastics. Comes in a single, easy-to-use package. Made of a pre-measured epoxy resin with a rod of hardener imbedded in the center. Contains a fading blue dye which causes the hardened product to appear off-white when fully mixed. The two-part epoxy compound molds quickly and easily by kneading with the fingers to form a permanent bond in 40 minutes. Adheres to PVC, ABS and CPVC pipe and fittings and many other materials. After curing, it can be drilled, filed, sanded, painted, and machined. Putty-like material can be inserted, shaped, molded, wrapped around or used to build up or repair rigid plastics. Use to repair, rebuild or attach plastic parts. Can be used on applications subject to temperatures up to 250°F for extended periods of time.

Do not use on polyethylene, polypropylene and polybutylene.

SIZES AND PACKING

<u>STOCK NO.</u>	<u>SIZE</u>	<u>PACKING</u>	<u>WEIGHT/CASE</u>	<u>UPC</u>
25531	4 oz.	24 (2-1 dz.)	8.0 lbs	032628-255319



Specifications

Plastic
Poxy™

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APPROVALS AND LISTINGS

Not applicable.

SPECIFIC APPLICATIONS*

Plastic poxy™ can be used to seal, mend, bond and repair plastic plumbing, fixtures, appliances and automotive parts.

SPECIFIC USES

Plastic poxy will adhere to almost all plastic surfaces. Not for use on polyethylene, polybutylene and polypropylene parts such as gasoline tanks.

PHYSICAL PROPERTIES

Not to be used for specification purposes.

		Testing Method
Lap Shear Tensile Strength on PVC, CPVC, ABS, lbs.:	500-800	ASTM D 1002
Hardness (Shore D) (full cure, 24 hours):	60-70	ASTM D2240
Temperature Limitations, °F:		
Continuous	250°	ASTM D794
Intermittent	300°	ASTM D794
Chemical Resistance:	Resists hydrocarbons, ketones, alcohols, esters	UL 698
Electrical Resistance, :	30,000 mega ohms	ASTM D257
Dielectric Strength, v/mil:	300	ASTM D 149
Compressive Strength (lbs/in ²):	12,000	UL 698
Appearance/color/odor:	2 components in co-extruded mastic form: Blue exterior and off-white interior with mercaptan odor.	

WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using product.
- **KEEP OUT OF REACH OF CHILDREN.**
- Harmful if swallowed.
- Eye irritant. May irritate sensitive skin.
- Not for use on polyethylene, polybutylene and polypropylene parts such as gasoline tanks.
- Do not use for structural applications.
- Do not use in or on aquariums.

DIRECTIONS FOR USE

No waste. Cut or break off only amount needed for the job. When mixed, plastic poxy can be molded like putty to desired shapes. Contains a fading blue dye which causes the hardened product to appear off-white when fully mixed. Mixes like putty - hardens like steel. For best results, surfaces should be cleaned of grease and dirt.



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Smooth surfaces should be roughened by filing or sanding prior to application. Thorough mixing of plastic poxy assures best product performance. Be sure product is mixed until it is uniform in color - not streaky. Mixing in a cold environment may be difficult; warm the product to room temperature before mixing.

This product is not intended for use in structural applications.

1) Remove protective end dots and cut or twist off a section of **plastic poxy**. **2)** Roll and knead **plastic poxy** in palms and between fingers and hands. Fold over repeatedly and continue rolling and kneading until streaks disappear and color is uniform. **3)** Apply at once to clean, dry surfaces. Force into cracks or holes being repaired. For smooth appearance, hand rub with water or damp cloth before material cures and hardens. Remove any excess material before hardening begins. **Plastic poxy** will harden and starts to form a strong bond in 35-40 minutes. In 2-3 hours, systems can be put back into service. **Plastic poxy** can be drilled, sawed, filed, carved, sanded, stained or painted. (When sanding cured **plastic poxy** or substrate, use protective eye wear and dust mask.) Full curing will occur in 24 hours. To extend the life of **plastic poxy**, recover ends of stick with protective dots and store in original package with cap tightly affixed. If protective dots are missing or damaged, use aluminum foil or plastic kitchen wrap.

MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST MATERIAL SAFETY DATA SHEET (MSDS) #86.

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of www.herchem.com
Mail	Contact Hercules at address below or any Hercules representative

HMIS Hazard Warning 1-0-0-B

INGREDIENTS

CAS#

Tests performed under accepted test methods of the Federal Hazardous Substances Labeling Act indicate that **plastic poxy** is non-toxic, and non-irritating to skin.

Magnesium Silicate Hydrate	14807-96-6**
Epoxy Resin	TS
Polyether Polymercaptan	TS
Crystalline Silica	14808-60-7**
Tri (Dimethylaminomethyl) Phenol	90-72-2
Zinc Sulfide	1314-98-3**

**ENCAPSULATED

* For special applications which may not be covered in this or other Hercules literature, please contact Hercules Technical Services Department by phone at 1-800-221-9330, send a fax to 1-800-333-3456 or visit our web-site at www.herchem.com.

ISO 9001:2008 certified

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