

## PC-3127 Thixotropic Filter Adhesive

Unfilled Urethane System; Shore D 60 Hardness

## Technical Bulletin

PC-3127 is a two component, unfilled, urethane resin system that produces a tough, highly impact resistant elastoplastic with good high temperature properties. When mixed, the system has an induction period of 20 seconds before it becomes a smooth, workable thixotropic paste that is non-sag. This allows for turnover time of less than one minute.

### Key Features

- Low Initial Mixed Viscosity
- Convenient Mix Ratio of 2:1 by Volume
- Phosphorous-Free and Mercury-Free
- Excellent Adhesion to Galvanized Steel, Stainless Steel, and Aluminum
- 100% Solids System with No VOCs and Low Outgassing

### Typical Uncured Properties

Color		
PC-3127 Resin (Polyol Component)		Amber
PC-3127 Hardener (Isocyanate Component)		Clear
PC-3127 Mixed		Light Amber
Viscosity (Brookfield) @ 25°C ± 1°C (77°F ± 2°F); cPs		
PC-3127 Resin		700
PC-3127 Hardener		450
PC-3127 Initial Mixed		600
Density @ 25°C ± 1°C (77°F ± 2°F); Lbs./Gal. (g/cm <sup>3</sup> )		
PC-3127 Resin		8.25 (0.99)
PC-3127 Hardener		10.00 (1.20)
PC-3127 Mixed		8.91 (1.07)

### Mixing Specifications

Mix Ratio		
Parts by Weight		100 parts Resin : 61 parts Hardener
Parts by Volume		2.0 parts Resin : 1.0 part Hardener

### Typical Properties Upon Mixing

Processing Times @ 25°C ± 1°C (77°F ± 2°F); min:sec		
Thixotropic Time		0:25
Working Time		1:45
Gel Time (50 gram mass; 250 mL beaker)		2:50
Gel Time (20 grams; 4 mm thickness)		3:15



### Typical Cured Properties

Full Cure Cycle		7 days
Color		Tan
Hardness; Shore D		55-60
Tensile Strength; psi		3,300
Elongation; %		130
Tear Strength (Die C); lbs./in.		345

### Processing Instructions

For good results, automatic mixing and dispensing equipment should be used. Please consult with Polyset technical staff before making final processing decisions.

### Storage Information

Keep away from flames. Material should be used once container is opened. Long term storage of opened material should be under nitrogen. Shelf life of both PC-3127 Resin and PC-3127 Hardener is 6 months @ 25°C (77°F) in unopened containers.

### Safety Information

Avoid direct contact. Use safety goggles or safety glasses with side shields and impervious gloves when handling PC-3127 Resin and PC-3127 Hardener. If skin contact occurs, wash with soap and water. If PC-3127 Resin or PC-3127 Hardener enters the eyes, flush with cool water for at least 15 minutes and call a physician immediately. Refer to product Safety Data Sheets for further information.

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