

# Technical Data Sheet



**W V C O**

Willamette Valley Company

www.wilvaco.com

800.333.9826

Partnering through service,  
innovation, and integrity

## WESTERN DIVISION

660 McKinley Street

Eugene OR 97402

Tel. 800.333.9826

## EASTERN DIVISION

6662 Marbut Road

Lithonia GA 30058

Tel. 888.878.9826

## MIDWEST DIVISION

1549 Hwy 2

Two Harbors MN 55616

Tel. 218 834 3922

## SOUTHERN DIVISION

100 Dixie Mae Drive

Pineville LA 71361

Tel. 800 444 9826

# E-951 Epoxy

## Fast-set two-component epoxy used to fill wood defects

### DESCRIPTION

E-951 is the fastest two-component polyamine hardened epoxy offered by Willamette Valley Company. It is specifically designed to set fast so that the repair can be sanded quickly. E-951 can be used for numerous types of wood repairs such as upgrading dimensional lumber and plywood, filling defects in laminated beams, and fixing imperfections in flooring, moulding and siding. In addition, E-951 is an essential tool for building and restoring furniture. This epoxy combines user-friendly qualities with superior performance. The mix ratio is one-to-one by volume part "A" and "B" and the formula is free from irritating odors of unsaturated polyesters and mercaptans. E-951 Epoxy bonds tightly to wood and can be easily drilled, planed, sanded, stained, painted and UV cure coated.

### WHERE TO USE

- Dimensional Lumber
- Laminated Beams
- Wood Flooring
- Fir and Cedar Siding
- Unrouted and Routed Defects in Plywood
- Flooring, Moulding and Furniture

### FEATURES AND BENEFITS

- Can be Sanded, Stained, Painted & UV Cure Coated
- Zero VOC – 100% Solids
- Fast Set so Repairs can be Sanded Quickly
- Can be Applied in Hot or Cold Temperature Wood
- Outstanding Adhesion to Wood
- Great Moisture Resistance
- Crack and Shrink Resistant

### PACKAGING

Cartridges  
5-gallon pails  
55- gallon drums

### SHELF LIFE

12 months when properly stored.

### STORAGE

Store this product in a clean, dry, shaded or covered environment above 45°F (7.2°C). DO NOT FREEZE.

## TECHNICAL INFORMATION

### TYPICAL PROPERTIES

<b>Solids</b>		100%
<b>Density – lbs./gallon (Kg/L)</b>	<b>Part A</b>	10.75 (1.29)
	<b>Part B</b>	11 (1.32)
<b>Consistency</b>		Creamy Paste
<b>Viscosity - centipoise</b>	<b>Part A</b>	25,000 cps
	<b>Part B</b>	40,000 cps
<b>Pot Life – at 77°F (25°C) in 100 mls or ½ cup (varies with quantity and temperature)</b>		45 seconds
<b>Color (other colors available upon request)</b>		Fir
<b>Hardness – Shore "D" (on fully cured material)</b>		65

### APPLICATION

To apply use a Willamette Valley Company metering system or purchase E-951 in two-component cartridges and apply using a hand operated or pneumatic applicator dispenser. Use a flexible blade putty knife to spread the epoxy, further reducing the amount of epoxy used and the amount of post-cure sanding needed. Please contact your Willamette Valley Company Representative for information on using a metering system.

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### CURE TIME

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Remember that epoxy is exothermic when curing, so the larger the mass the faster it will cure. Avoid filling larger voids in one pour as it may become extremely hot as it cures. Allow epoxy to cure for 10-20 minutes before sanding. Epoxy will fully cure within 24 hours.

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### ADDITIONAL FEATURES AND BENEFITS

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The E-951 Epoxy can be used to repair numerous types of wood products such as:

- ✓ Upgrading dimensional lumber and plywood
- ✓ Filling Defects in Laminated Beams
- ✓ Correcting imperfections in fir and cedar siding
- ✓ Repairing unrouted plywood defects up to 1.5"
- ✓ Repairing routed plywood defects up to 2.25"
- ✓ Fixing Defects in Molding and Furniture

Part "A" and Part "B" of E-951 Epoxy have similar viscosities and therefore accommodate easy mixing. In addition E-951 has been formulated with specific thixotropic agents which allow it to be easily mixed and applied on hot or cold temperature wood.

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### NOTES

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As it is true with most epoxies, prolonged exposure to direct sunlight will cause the cured epoxy to yellow and degrade over time. Avoid applications of E-951 Epoxy in areas where direct exposure to sunlight is expected.

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### HEALTH AND SAFETY

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Before handling, you should become familiar with the Material Safety Data Sheet (MSDS) regarding the risks and safe use of this product. To obtain an MSDS please call 800-333-9826 or send an email to: [msds@wilvaco.com](mailto:msds@wilvaco.com).

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### CLEAN-UP

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Use soap and water before the material solidifies.

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### CONTACT INFORMATION

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Please see the side bar on the front page for the Division nearest to your location.

#### **WILLAMETTE VALLEY COMPANY**

[www.wilvaco.com](http://www.wilvaco.com)  
[info@wilvaco.com](mailto:info@wilvaco.com)

#### **OTHER DIVISIONS**

##### **PERFORMANCE COATINGS**

1075 Arrowsmith Street  
PO Box 2280  
Eugene, OR 97402  
Tel 541.484.9621  
[www.POLYQUIK.com](http://www.POLYQUIK.com)  
[www.wvcorailroad.com](http://www.wvcorailroad.com)

##### **PRECISION TECHNOLOGIES DIVISION**

675 McKinley Street  
Eugene, OR 97402  
Tel 541.484.2368  
[www.pre-tec.com](http://www.pre-tec.com)

##### **SUBSIDIARIES**

##### **CANADIAN WILLAMETTE**

19081- 27<sup>th</sup> Avenue  
Surrey BC V3S 5T1  
Tel. 800.663.4298

##### **ECLECTIC PRODUCTS INC.**

Corporate Office  
1075 Arrowsmith Street  
Eugene, OR 97402  
Tel 541.284.4667  
[www.eclecticproducts.com](http://www.eclecticproducts.com)

##### **IDAHO MILL & GRAIN**

445 North 430 West Hwy  
Po Box 188  
Malad City, Idaho 83252  
Tel 208.766.2206

##### **TAPEL WILLAMETTE LTD. S.A.**

Av. Estero La Posada 3625 Parque  
Industrial Coronel Coronel, Chile  
Tel 011.56.41.2.928.100  
[www.tapel.cl](http://www.tapel.cl)



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