

Technical Data Sheet



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-901 Fast Epoxy

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

DESCRIPTION

E-901 Fast is a rapid set epoxy resin, 100% solids and zero VOC, used for repairing defects in wood. This product is specifically designed to set up fast in small voids so that the repair can be sanded quickly. It can be used for numerous types of wood repair such as upgrading dimensional lumber and plywood, filling defects in laminated beams and fixing imperfections in molding and siding. In addition, E-901 is an essential tool for building and restoring furniture. E-901 combines rapid cure qualities with superior performance. It is free of the irritating odors of mercaptan and polyester. The mix ratio is one to one by volume. E-901 will not crack or shrink after application.

WHERE TO USE

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

FEATURES AND BENEFITS

- Can be Sanded, Stained, Painted
- Zero VOC – 100% Solids
- Fast Set - repairs can be sanded quickly
- Can be Applied in Hot or Cold Temperature Wood
- Outstanding Adhesion to Wood
- Great Crack, Shrink & Moisture Resistant

PACKAGING

1-gallon pails (3.86 L)
5-gallon pails (18.9L)
55-gallon drums (208.2 L)

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

Solids		100%
Density – lb/gal (Kg/L)	Part A	5.5 +/- 0.5 (0.66)
	Part B	11 +/- 0.5 (1.32)
Consistency		Creamy Paste
Viscosity - centipoise	Part A	23,000
	Part B	40,000
Pot Life – at 77°F(25°C) in 100 mls (½ cup) (varies with quantity and temperature)		60 seconds
Color (other colors available upon request)		Fir
Hardness – Shore “D” (on fully cured material)		65

APPLICATION

Due to the fast pot life it is recommended to apply E-901 with Willamette Valley Company's metering system. For information on metering systems please contact your Willamette Valley Company representative.

CURE TIME

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 15-25 minutes before sanding. Epoxy will fully cure within 24 hours.

ADDITIONAL FEATURES AND BENEFITS

The E-901 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" (3.81 cm)
- ✓ Repairing routed plywood defects up to 2.25" (5.72 cm)
- ✓ Fixing Defects in Molding and Furniture

In addition, E-901 has been formulated with specific thixotropic agents which allow it to be easily mixed and applied on hot or cold temperature wood.

NOTES

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-901 Epoxy in areas where direct exposure to sunlight is expected.

HEALTH AND SAFETY

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.

CLEAN-UP

Use soap and water before the material solidifies.

CONTACT INFORMATION

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

WILLAMETTE VALLEY COMPANY

www.wilvaco.com
info@wilvaco.com

OTHER DIVISIONS

PERFORMANCE COATINGS

1075 Arrowsmith Street
PO Box 2280
Eugene, OR 97402
Tel 541.484.9621
www.POLYQUIK.com
www.wvcorailroad.com

PRECISION TECHNOLOGIES DIVISION

675 McKinley Street
Eugene, OR 97402
Tel 541.484.2368
www.pre-tec.com

SUBSIDIARIES

CANADIAN WILLAMETTE

19081- 27th 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

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



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