

E-951 Epoxy

Fast-set Two-component Epoxy Used to Fill Wood Defects



Description

E-951 is the fastest two-component polyamine hardened epoxy we offer. 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 1:1 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
- Fir and cedar siding
- Unrouted and routed defects in plywood
- Flooring, moulding and furniture
- Wood flooring

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

Typical Properties

Solids		100%
Density - lbs./gallon (kg/L)	Part A	10.75 (1.29)
	Part B	11 (1.32)
Viscosity (centipoise)	Part A	25,000 cps
	Part B	40,000 cps
Consistency		creamy paste
Pot Life - at 77°F (25°C) in 100 ml or 1/2 cup (varies with quantity and temperature)		2 minutes
Color		fir
Hardness - Shore "D" (on fully cured material)		65

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 30 minutes before sanding. Epoxy will fully cure within 24 hours.

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-951 Epoxy in areas where direct exposure to sunlight is expected.



■ Application

To apply, use our metering system or purchase our E-951 in two-component cartridges and 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 sanded needed. Please contact your representative for more information on using a metering system.

■ Additional Features and Benefits

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 moulding 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 at hot or cold temperatures.

■ Clean-Up

Use soap and water before the material solidifies.

■ Packaging

- Cartridges
- 5 gallon pails
- 20 gallon fiber 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.

■ Health and Safety

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

■ Disclaimer of Warranty

Test results are to be considered as representative of current production and should not be treated as specifications. While all the information presented in this document is believed to be reliable and to represent the best available data on these products, no guarantee, warranty, or representation is made, intended, or implied as to the correctness or sufficiency of any information, or as to the suitability of any chemical compounds for any particular use, or that any chemical compounds or use thereof are not subject to a claim by a third party for infringement of any patent or other intellectual property right. Each user should conduct a sufficient investigation to establish the suitability of any product for its intended use. Proper application is the responsibility of the user. As with any product, the use of this product in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability. Testing is the requirement of both engineers and contractors alike. The Willamette Valley Company LLC does not warrant the application under any or all circumstances.

GWD-DRP-224 Rev 1 April 2025