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Technical Data Sheet

Permatex® Cellulose Wood Epoxy

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PRODUCT DESCRIPTION

Permatex® Cellulose Wood Epoxy is a unique two-part, rapid curing, wood epoxy. The formula contains cellulose, nature's structural building block, to give the epoxy the strength, color, and behavior of natural wood. The cured epoxy can be sanded and stained, and easily outperforms standard wood glues. The high, gel-like viscosity of the formula allows it to adhere thick cross sections of wood without soaking into the surface and eliminates the need to clamp sections together.

PRODUCT BENEFITS

- Will not shrink
- No clamping needed
- Fills gaps
- Can bond dissimilar surfaces (e.g wood to metal)
- Impact resistant
- Water resistant

TYPICAL APPLICATIONS

To bond rigid materials including:

- Wood furniture
- Wood doors
- Wood window frames
- Wood trims and moldings
- Metal to wood

DIRECTIONS FOR USE

1. Protect work area from accidental spills.
2. Surface must be clean, dry and free of grease & oil.
3. For better adhesion, roughen surfaces with sandpaper or other abrasive.
4. Snap cover off the end of the syringe and keep for storage.
5. Depress plunger evenly to dispense equal amounts of resin and hardener from tubes. Thoroughly mix resin and hardener on a clean discardable surface for 30-60 seconds and epoxy is a uniform color.
6. Apply to surfaces being repaired. Assemble parts immediately. Allow bond to set for the fixture time before moving. Remove excess epoxy immediately.
NOTE: Epoxy sets in 5 minutes and may be handled in 15 minutes. Cooler temperatures may require longer set time.
7. Wipe any excess epoxy from tip and replace storage cap.

For Cleanup

1. For any cleanup, use isopropyl alcohol before the material is allowed to dry/cure.
2. Clean hands with Permatex® Fast Orange® hand cleaner or soap and water.

PROPERTIES OF UNCURED MATERIAL

	Typical Value
Chemical Type	Epoxy and Mercaptan/Amine Resins
Mix ratio (volume)	1 : 1
Appearance	
Resin	Tan Gel
Hardener	Clear to Yellow Gel
Odor	Mild
Specific Gravity	1.10 - 1.17
Flash Point, TCC	>200°F
Viscosity	Gel

CURING PROPERTIES

	Working Time	Fixture Time
84103	4 – 5 minutes	8 – 10 minutes
Final color	Tan	
Temperature range	-60°F to +180°F (-51°C to 82°C)	

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as an adhesive for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

ORDERING INFORMATION

Part Number	Container Size
84103	5 min. wood epoxy, 0.84 fl. Oz. dual syringe, carded

STORAGE

Products shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8° and 28°C (46° and 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. To prevent contamination of unused product, do not return any material to its original container.

NOTE

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