

EPOXY WOOD SEALER



FX-W2100 is a two-component, liquid, ultra-low viscosity, high-strength, ideal for repairing dry-rotted or damaged wood. It migrates deep into the voids and hairline capillaries of abnormal porosity in the wood to restore structural strength and seal-out moisture. It can be used as a sealer or as an adhesive-promoting primer, suitable for both exterior and interior applications. Its rapid curing capabilities can shorten the time to complete wood restoration projects. Low-odor, low-VOC and solvent-free, more pleasant to use.

➤ PRODUCE NAME :	Epoxy Wood Sealer FX-W2100
➤ PRODUCT CODE :	400ML 3:1
➤ SIZE :	PART A- Clear
➤ RATIO :	PART B- Amber
	MIXED- Amber

PRODUCT USAGE

- ✓ Excellent for both horizontal and vertical applications.
- ✓ Before repairing broken wood, apply EPOXY WOOD FILLER on the dry-rot first. Filler can be applied over uncured Sealer once the sealer becomes tacky, and the two will cure together.
- ✓ Can be applied as an adhesion-promoting primer for water-based paints and epoxy compatible topcoats, on both repaired and new wood.
- ✓ Suitable for variety of wooden wares, such as window frames and sills, rafter tails, exposed beams, decks, doors, floors, fences, boat hulls, bathroom subfloors, and many other wooden structural and decorative elements.

ADVANTAGES

- ✓ Low viscosity for dry-rot repair. Penetrate into fine to very fine capillaries.
- ✓ The lasting regain in strength and durability of the wood
- ✓ Rapid-curing, non-shrink formula
- ✓ Can be applied on damp surfaces.

TECHNICAL DATA SHEET

EPOXY WOOD SEALER FX-W2100



TECHNICAL DATA

PROPERTY APPRAISAL	Test Result
Application Temperature	50 °F - 100 °F (10 °C to 38 °C)
Color	Part A (Resin) Clear: Part B (Hardener) Amber, Mixed: Amber
Mix Ratio	3:1
Viscosity	100~300 cP
Working Time	100~120 minutes at 75°F
Tack Free Time	24 hr. at 75°F
Full cure time	48 hr.

APPLICATION CONDITIONS / LIMITATIONS

SUBSTRATE & AMBIENT TEMPERATURE

- +10°C min. / +38°C max.

MATERIAL TEMPERATURE

- Must be at a temperature of between +4°C and +35°C (40°F~95°F) application.

DEW POINT

- Beware of condensation!
Substrate temperature during application must be at least 10°C above dew point.

STORAGE CONDITION & SHELF-LIFE

- 24 months from date of production if stored properly in original unopened, sealed and undamaged packaging in cool and dry conditions at temperatures between +5°C and +25°C.
- Protect from direct sunlight.

****All FX-W2100 cartridges have the manufacture date printed on the label.****

ORDER INFORMATION

- SIZE : 400ml
- PART# : FX-W2100
- CASE QTY : 20PCS/ CARTON
- PALLET QTY : 60 CTNS/ PALLET
- DISPENSING TOOL : FX-GUN400/WT-296C585

APPLICATION INSTRUCTIONS

- MIXING : Part A : Part B = 3 : 1 by volume

STEP1.SURFACE PREPARATION

Surface preparation will depend upon the application of the product. For good treatment effect, ensure that the damaged wood is clean without all dry-rot debris, paint, dust, oil, wax, grease and dust. Prepare the surface of the wood by roughing it mechanically as excellent adhesion can be attributed to surface roughness.

Make sure bonding surfaces are prepared in advance before starting a new cartridge or mixing product.

STEP2.INSTALLATION

1. Shake the cartridge vigorously for 20 seconds. Then stand cartridge upright a minimum of 1 minute allowing any bubbles to rise to the top.

2.Insert cartridge into the dispenser. Make sure it is properly positioned with the shoulder of the cartridge flush with the front/top bracket of the dispenser.

Remove the plastic cap and plug from the top of the cartridge,

3. Continue to point upward—away from yourself and others—while slowly applying pressure to dispenser moving any bubbles and product up through the threaded part of the cartridge until it reaches the tip.

Dispense this first full stroke of material into a disposable container. The cartridge is now purged and ready for flow-control installation.

4. Install mixing nozzle onto cartridge, and make sure it is securely seated in place.

STEP 3. MIXING

Keeping the dispenser straight up, apply pressure to the dispenser slowly to move any bubbles and product up through the nozzle until it reaches the tip. Tilting only slightly, dispense this full stroke of material into a disposable container. The cartridge is now purged and ready for use. All usable material is completely dispensed when plunger reaches halfway.

**** If practicable, schedule dispensing to consume an entire cartridge at one time with no interruption of epoxy flow.**

For bulk, mix only enough products that can be used within the pot life.**

CAUTION:

- Do not use expired product.
- NEVER transfer a used nozzle to a new cartridge and DO NOT attempt to force adhesive out of a hardened mixing nozzle.
- Make sure the work environment or substrate falls below 70°F (21°C) warm the cartridge to 70-75°F (21- 24°) before use.

BULK MIXING/PREPARATION

1. Stir each component separately before mixing them together is not required.
2. EPOXY WOOD SEALER uses 3 parts by volume of Part A to 1 part by volume of Part B. Proportion parts by volume into a clean pail at the exact and proper mix ratio.
3. Small batches can be mixed in a graduated mixing cup with a paint stir stick. Blend thoroughly until an even color without streaks is achieved.
4. Immediately brush material onto substrate and spread thin. Keep applying until the wood will not accept any more products. Once the sealer becomes tacky, apply EPOXY WOOD FILLER over it and they will cure together.

USE AS A PRIMER

1. Brush an even coat of bulk-mixed sealer to the clean and prepared wood surfaces when using as an adhesion-promoting primer.
2. Do not apply water-based paint or other epoxy-compatible topcoat on the surfaces until the sealer is no longer tacky.
3. When using on new, sound wood, sealer should cure for at least 30 MINUTES prior to apply a topcoat.

LIMITATIONS AND WARNINGS

- DO NOT dilute with solvents as this will prevent proper cure.
- DO NOT mix more than 6 oz. (4.5 oz. Part A and 1.5 oz. Part B) at one time to avoid overheating.
- NEVER leave mixed epoxy in an unattended open container as its thermolytic process generates heat and it will eventually heat-up and produce smoke.
- When using on sound new wood, sealer should cure a minimum of 30
- MINUTES prior to application of water-based paints or other epoxy-compatible topcoats.
- Consult an architect. As product may not be used in aesthetic application, its color may turn amber when exposed to sunlight.
- Product is not intended for repairing weight-bearing structural elements.

HEALTH AND SAFETY INFORMATION

- Clean up: Always wear appropriate protective equipment. Use tools and equipment with a mild solvent to clean uncured materials. Cured material can only be removed mechanically. Dispose of product in accordance with federal, state and local regulations.
- For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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