



# Wood Restoration Kit Instructions



**This easy, two-step system stabilizes damaged wood and rebuilds it into a strong, long-lasting repair!**

## TotalBoat Penetrating Epoxy

is a thin, clear liquid that penetrates deep into porous wood, then cures inside the fibers. The result brings back strength, stiffness, and hardness. The cured epoxy adds protection from water, weather, chemicals, and rot.

## TotalBoat FixWood Epoxy

shows up as a lightweight putty with a light wood tone. The material bonds permanently to wood and other rigid surfaces. Use the putty to fill voids, replace missing sections, or build material where needed.

**TotalBoat Penetrating Epoxy and TotalBoat FixWood Epoxy** look and feel completely different. Application methods differ as well. Each product works on its own. Most projects pair both products together since one strengthens wood and the other rebuilds shape. The combination covers repair from the inside out.

## WHAT YOU'LL NEED:

- TotalBoat Wood Restoration Kit
- Safety Glasses
- Clothing Protection
- Mild Soap and Water
- A Respirator with vapor cartridges (if working in an enclosed area)



## TOTALBOAT PENETRATING EPOXY

65-90°F: The ideal temperature range for working with epoxy in a low humidity, well-ventilated workspace. The wood's moisture content should be less than 12%.

## STEP 1: SURFACE PREPARATION

Clean the surface with denatured alcohol or acetone to ensure that it's free from grease, oils, tar, dust, water, wax, stain, paint, varnish, or other contaminants.

Where deep rot is present, drill a series of holes in the wood where Penetrating Epoxy can be injected with a syringe until saturated.

## STEP 2: DISPENSING & MIXING

**IMPORTANT:** Mixing TotalBoat Penetrating Epoxy creates an exothermic reaction that generates heat. The warmer the epoxy gets, the faster it cures, so work quickly! It **MUST** be applied as soon as it has been mixed.

Work in multiple small batches.

Dispense 2 parts Resin (PART A) with 1 part Hardener (PART B) by volume into a mixing cup.

Mix for a minimum of 2-5 minutes until it is uniform with no striations.

**THINNERS:** Once mixed completely, one of the specified thinners can be added if desired. Penetrating Epoxy can be thinned with either acetone, denatured alcohol, or lacquer thinner to help maximize penetration. **DO NOT** substitute or attempt to add any other solvents. The maximum amount of thinner that can be added is equal to the amount of mixed epoxy.

Apply Penetrating Epoxy immediately.

## STEP 3: APPLICATION & CURING

Penetrating Epoxy can be brushed, rolled, or injected. Apply a thin layer of Penetrating Epoxy to all the surfaces that are to be sealed. As the epoxy is absorbed, reapply more as necessary before it becomes tack-free. Allow at least 48 hours for the epoxy to cure.

## TOTALBOAT FIXWOOD

### STEP 1: SURFACE PREPARATION

After Penetrating Epoxy cures, wash with warm water and mild soap to remove any residue. Dry completely. Sand lightly and wipe clean.



### STEP 2: DISPENSING & MIXING

Mix equal parts A and B. Mix only as much material as can be used in 20 minutes.

Knead together by hand while wearing gloves. The product will become easier to work together as it warms in your hand. Work until the putty achieves a consistent color.



## STEP 3: APPLICATION & CURING

Apply FixWood to the prepared surface, molding it by hand or using the spreader until desired profile is achieved.

FixWood will be tack-free in roughly 2 hours at 70°F and can be sanded in as little as 6 hours at 70°F.



FixWood can be stained, varnished, primed, or painted with the rest of the wood.



## CLEAN UP MATERIALS

**RESIN:** Denatured Alcohol or Acetone

**HARDENER:** Denatured Alcohol

**MIXED RESIN & HARDENER:** Denatured Alcohol



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