

Preservation Solutions AX-AY-ABHI-107361

Pentacryl Green Wood Stabilizer 32oz Instruction Manual

Brand: Preservation Solutions | Model: AX-AY-ABHI-107361

1. INTRODUCTION

The Preservation Solutions Pentacryl Green Wood Stabilizer is designed to prevent cracking, checking, and shrinking in freshly cut, green wood. This product deeply penetrates wood fibers, displacing water and moisture, which helps to stabilize the wood during the drying process. It is suitable for a variety of wood types, including softwoods, hardwoods, and exotic woods, making it an essential tool for woodturners, carvers, and woodworkers.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Always handle with care.

- Wear appropriate personal protective equipment, including gloves and eye protection, when handling Pentacryl.
- Use in a well-ventilated area to avoid inhaling fumes.
- Avoid contact with skin and eyes. In case of contact, rinse thoroughly with water.
- Keep out of reach of children and pets.
- Store in a cool, dry place away from direct sunlight and heat.
- Do not ingest. If swallowed, seek immediate medical attention.

3. PRODUCT OVERVIEW

Pentacryl is a ready-to-use solution that offers several benefits for green wood:

- **Preserves Green Wood:** Minimizes checking, splitting, and warping in fresh-cut wood.
- **Enhances Workability:** Lubricates tools during turning and carving.
- **Speeds Drying Time:** Can reduce air drying time by up to 30%.
- **No Discoloration:** Dries clean and bright without darkening the wood.
- **Compatible with Finishes:** Does not affect subsequent sanding, staining, wood-burning, gluing, or sealing.

THE BEST WAY TO PREVENT CRACKING IN GREEN WOOD

**FOR A
VARIETY OF
WOODS**

Works with freshly cut hardwood, softwood, and exotics.

**WON'T
DARKEN
WOOD**

Treated wood looks & feels natural with no residue left behind.

**WASTE
LESS
WOOD**

Discard less wood due to cracking, checking, splitting, and warping.

**SPEEDS
DRYING
TIME**

Cure your green wood faster!
Reduce air drying time by up to 30%.

**EASY
TO
USE**

Ready to use right out of the bottle, with just one application needed.

**MADE IN
COLORADO**

**WON'T
AFFECT
FINISH**

Treated wood can be sanded, stained, wood-burned, glued, and sealed.

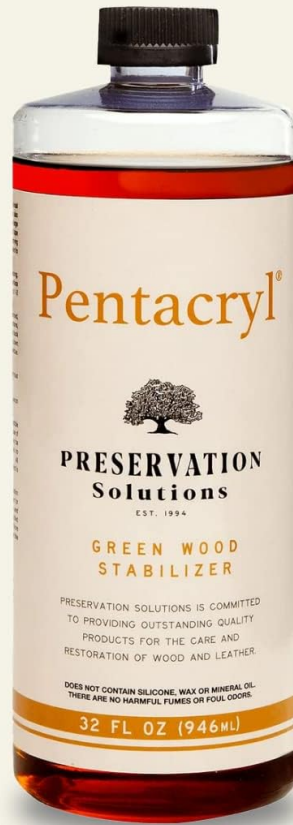


Figure 3.1: Key benefits of using Pentacryl Green Wood Stabilizer.

4. PREPARATION

Proper preparation of the wood is crucial for effective stabilization.

1. **Clean the Wood:** Ensure the green wood is clean and free from dirt, debris, or loose bark.
2. **Cut to Desired Shape:** Cut the wood to its approximate final shape or size before treatment. This allows the Pentacryl to penetrate the surfaces that will be exposed.
3. **Moisture Content:** Pentacryl is most effective on green wood with high moisture content. It is not intended for use on already dry or partially dry wood.
4. **Surface Preparation:** For optimal penetration, the wood surface should be freshly cut or sanded.

5. APPLICATION INSTRUCTIONS

Pentacryl can be applied by soaking or brushing, depending on the size and shape of the wood piece.

5.1 Soaking Method (Recommended for smaller pieces)

1. **Container Selection:** Choose a non-reactive container (plastic or stainless steel) large enough to fully submerge the wood.

2. **Submersion:** Place the green wood into the container and pour Pentacryl over it until completely submerged.
3. **Soaking Time:** The soaking time depends on the thickness of the wood. A general guideline is 1 day per inch of thickness. For very dense woods or larger pieces, longer soaking times may be beneficial.
4. **Monitoring:** Periodically check the wood to ensure it remains submerged. Add more Pentacryl if necessary.



Pentacryl can be applied by either soaking or brushing the product on until it is saturated.



Figure 5.1: Soaking green wood slices in Pentacryl for deep penetration.

5.2 Brushing Method (For larger or irregularly shaped pieces)

1. **Application:** Apply Pentacryl generously to all surfaces of the green wood using a brush, roller, or sprayer.
2. **Saturation:** Continue applying until the wood is saturated and no longer readily absorbs the product. This may require multiple coats.
3. **Reapplication:** For best results, reapply Pentacryl daily for several days, or until the wood is fully saturated.



Figure 5.2: Brushing Pentacryl onto a wood surface for saturation.

6. DRYING PROCESS

After treatment, the wood must be allowed to dry slowly and evenly.

1. **Environment:** Place the treated wood in a cool, dry, and well-ventilated area, away from direct heat sources or sunlight. Avoid rapid drying conditions.
2. **Air Circulation:** Ensure good air circulation around all surfaces of the wood. You may use spacers or stickers to elevate the wood if stacking.
3. **Drying Time:** Drying time will vary significantly based on wood type, thickness, and environmental conditions. Pentacryl can reduce this time by up to 30%, but patience is key for optimal results.
4. **Monitoring:** Regularly inspect the wood for any signs of cracking or warping during the drying process. Adjust drying conditions if necessary.

These two red oak cookies were cut on the same day over 7 years ago:

This one was treated with Pentacryl that day and still looks as fresh as the day it was cut.



SPLITTING

CHECKING

CRACKING

WARPING

This one was not treated with Pentacryl.

Figure 6.1: Visual comparison of Pentacryl-treated versus untreated wood after drying.

7. POST-TREATMENT AND FINISHING

Once the wood is completely dry, it can be further processed and finished.

- **Sanding:** The treated wood can be sanded as usual. Pentacryl residue may lubricate tools, making sanding easier.
- **Finishing:** Pentacryl does not interfere with common wood finishes, including stains, paints, varnishes, and sealers.
- **Gluing:** Treated wood can be glued using standard wood adhesives.
- **Carving and Turning:** The stabilized wood is ideal for carving and turning, offering a more stable and predictable material.



MadeWithPentacryl

Figure 7.1: Examples of finished projects using Pentacryl-treated wood.

8. TROUBLESHOOTING

- **Wood Still Cracking/Splitting:** This usually indicates insufficient saturation or too rapid drying. Ensure the wood is fully saturated with Pentacryl and dried slowly in a controlled environment. Thicker pieces may require longer soaking times.
- **Mold Growth:** Mold can occur if the wood is stored in a humid environment during drying, especially if air circulation is poor. Ensure adequate ventilation and consider a fungicide if mold is a persistent issue (not provided by Pentacryl).
- **Uneven Penetration:** If the wood shows uneven stabilization, ensure all surfaces were thoroughly cleaned and saturated during application. For soaking, ensure the wood is fully submerged.

9. SPECIFICATIONS

Attribute	Value
Item Weight	2.03 Pounds
UPC	721633107514, 850032962018

Number of Items	1
Manufacturer	Preservation Solutions LLC
Part Number	Pentacryl Quart
Product Dimensions	9.5 x 3.25 x 3.25 inches
Item Model Number	AX-AY-ABHI-107361
Size	1 Quart
Material	Wood
Color	Amber Brown
Item Form	Liquid

10. WARRANTY AND SUPPORT

Preservation Solutions is committed to providing quality products. For specific warranty information or technical support, please contact Preservation Solutions directly. Contact details can typically be found on the product packaging or the official Preservation Solutions website.

Manufacturer: Preservation Solutions LLC

Website: [Preservation Solutions Store on Amazon](#)