

Product Overview

WOOD TECH is a versatile, penetrating protective undercoat for timbers, dimensional laminated lumber, logs, and engineered wood components like CLT. It enhances dimensional stability and shields wood from UV degradation and moisture absorption. Pre-finishing with WOOD TECH dramatically improves topcoat performance and protects wood during manufacturing, transportation, and construction processes.

Characteristics

- Appearance: **beige liquid (dries clear)**
- Odor: **slight ammonia**
- Form: **liquid**
- pH: **approx. 8.5–8.9**
- VOC: 32g/L
- Freezing point: **0°C (32°F)**
- Weight/Gal: **8.4 lbs/gal.**
- Diluent: **water**
- Cleanup: **soap & water**

Application

Use on: Mass Timber construction, CLT Cross Laminated Timber, Glulam Post and beams, logs and log structures awaiting finish coating, and dimensional and engineered lumber

Application Methods

- Always flood the surface to saturation
- Brushing (use natural bristle brush)
- Roller (always back brush if applying with a roller)
- Flood coating
- Airless Spray: Pressure (2000 psi), Tip: .013–.015 (always back brush for best results)
- HVLP Spray: Pressure (standard needle tip)

Features

- Ecologically sensitive
- Penetrating formula for inside-out protection
- Low VOC
- Helps with wood stabilization and reduces warping, shrinking, checking.
- Non-flammable
- Helps resist mold and mildew growth
- UV protection – designed for maximum UV resistance ensuring long-term maintainability.
- Breathable finish repels water through sheeting, allowing evaporation crucial for long-term wood stability

Packaging

1-Gallon pail, 5-Gallon pails, 50-gallon drum, and IBC tote

Formulas

WOOD TECH is applied as a one-coat application and is intended as a permanent finish, to be applied to clean porous substrates following the Directions for Use.

Coating Schedule

1 flood coat application

Coverage

Smooth sanded wood: 250 - 400 sq.ft./gal.

Rough wood: 150 - 300 sq.ft./gal.

Coverage depends on wood species, texture, and porosity.

Drying Time Table

Temperature	Touch (hours)	Recoat (hours)
20°C (68°F)	2	6

Longer drying time may be needed in high humidity or low temperatures.

Preparation

- Preparation is critical to a successful project.
- Thoroughly sand smooth wood using 60–80 grit sandpaper to promote deep penetration and remove mill glaze.
- Follow by vacuuming or using compressed air for proper cleaning. Surface must be clean, free from dust, dirt, grease, wax, or any existing coatings.
- After cleaning, test surface absorbency by applying a few drops of water. If water doesn't readily penetrate, more sanding or cleaning is required.
- Apply to freshly peeled logs.

Working Procedure

- Stir well before and during application.
- Test on an inconspicuous wood surface for proper color and penetration.
- Apply at ideal temperature (21°C/70°F) and around 50% relative humidity.
- Do not apply below 5°C or above 25°C.
- Avoid application if rain or freezing temperatures are expected.
- Apply a flood coat of WOOD TECH to the point of maximum absorption
- Brush out puddles and runs, level the finish.
- Do not apply on warm-to-touch or directly sunlit wood.
- Applicable over wood products with moisture content of up to 25%

Cleaning and Storage

- Clean application equipment with warm soapy water before the product dries.
- Shelf life of WOOD TECH when stored in ideal conditions is 2 years between 10°C–30°C (50°F–86°F).
- Keep containers tightly closed and protect from freezing.
- Dispose according to local, provincial or federal requirements. If available, recycle at the local paint recycling depot.

Limited Warranty

The purchaser of this product manufactured by CBR Products (a division of Canadian Building Restoration Products Inc.) shall be entitled to the following, if the product herein is shown to be defective when applied following directions for use found on this label: The only obligation of the manufacturer and seller shall be to replace such quantity of CBR product that is proven to be defective. Proof of purchase is required. Seller or manufacturer shall not be liable for any loss or damage connected with the use and/or handling of this product. All labor costs are specifically excluded. Buyer assumes all risk of use and/or handling of this material. No other warranties are made, expressed or implied, including, without limitation, warranties as to the merchantability or fitness for any particular purpose. This limited warranty may not be modified or extended by manufacturer's representatives, distributors or dealers of CBR Products' products.

Warning to Users

Keep out of reach of children, if swallowed immediately drink two glasses of milk or warm water. Do not induce vomiting. Call physician immediately. Avoid contact with skin or eyes; flush with soap and water. Avoid breathing of vapor or mist. Wear a properly fitted NIOSH/MSHA approved respirator. The information contained in this document is given in good faith based on our current knowledge. The use of the product is beyond the control of CBR Products and no guarantees, expressed or implied, is made as to the result to be obtained if not used in accordance with the published Directions for Use. CBR Products does not assume any legal responsibility for use or reliance on same. This information must on no account be used as a substitute for necessary field tests, which alone can ensure that the product is suitable for the expected use. Before using any product, read its label.