

Product Overview

Broda Clarity is a premium waterborne, pure acrylic finish for interior and exterior architectural wood. This low V.O.C formula creates a monolithic film that seals wood but remains vapor-permeable, allowing wood to breathe. When properly applied, Clarity provides a deep, crystal-clear finish that will not yellow, crack, peel, or blister. It offers excellent U.V stability, water repellency, and mildew resistance. Clarity is tintable or can be used as a topcoat, available in gloss, satin, or flat.

Characteristics

- Appearance: **milky liquid**
- Odor: **slight ammonia**
- Form: **liquid**
- pH: **approx. 9**
- VOC: **67g/L**
- Viscosity: **9 CPS**
- Freezing point: **0°C (32°F)**
- Volume solids: **21.4%**
- Weights solids: **22.7%**
- Weights/Gallon: **8.56 lbs/gal**
- Diluent: **water**
- Wet Film Thickness: **3.5–4.5 Wet Mils**
- Cleanup: **soap & water**

Features

- Ecologically-sensitive
- Available in Gloss, Satin, and Flat
- Low VOC
- Soap and water cleanup
- Can be used to topcoat other coatings
- Non-flammable
- Offered in clear, transparent, semi-transparent, and semi-solid colors
- Tinted formula provides additional UV protection
- Helps to resist mold & mildew growth
- Dries clear
- Breathable finish that repels water but allows evaporation – critical to long-term wood stability

Application

Use on: interior and exterior wood, mass timber, millwork, interior ceiling and wall paneling, soffits, and siding.

Application Methods

- Brush (synthetic bristle)
 - Pad
 - Spray-Airless: Pressure: 2000 psi; Tip: .013–.015
 - Spray-HVLP: Pressure: standard needle.
- Always back brush for best results.

Packaging

Quarts, gallons, and 5 gallon pails.

Coating Schedule

1st coat: Tinted Clarity

2nd coat: Tinted Clarity

3rd coat: Clarity Clear Topcoat

The number of coats required will depend on the level of protection and sheen desired. It is highly recommended to lightly sand between coats.

Formulas

Broda Clarity is available in pigmented and clear tint base formulas. Use clear tint base to dilute a color for maintenance coats. Apply Clarity Clear Topcoat over pigmented color coats to enhance durability, create a deeper full finish, and maximize the color retention of pigmented coats.

Drying Times

Longer drying time needed in high humidity or low temperature. Keep from freezing while curing.

Temperature	Touch (hours)	Recoat (hours)
15°C (59°F)	1	8
20°C (68°F)	0.5	4

Finish

Gloss: 80 units @ 60°

Satin: 23 units @ 60°

Flat: 8 units @ 60°

Coverage

- Smooth sanded wood: 250–400 sq.ft./gal./coat
- Rough wood: 150–300 sq.ft./gal./coat
- Coverage will depend on wood species, texture, and porosity.

Preparation

- Preparation is critical to a successful project.
- Thoroughly sand smooth wood using 80-150 grit sandpaper and a variable-speed orbital sander to promote deep penetration and uniform colour.
- Inspect wood surfaces for defects and make any necessary repairs.
- Use Broda Wood Wash and/or wash the entire surface with a pressure washer
- Follow, by power washing, vacuuming, or using compressed air for proper cleaning.
- Surface must be clean, free from dust, dirt, grease, mold, wax, or any existing coatings.
- After cleaning, test absorbency of the surface by applying a few drops of water; more sanding or cleaning will be required if water does not penetrate readily.

Working Procedure

- Stir well before and during application.
- Test on an inconspicuous wood surface for proper colour 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.
- Saturate the wood surface to achieve the required coverage.
- Brush or roll out puddles and runs, and level the finish.
- Do not apply on wood that is warm to the touch or in direct sunlight.
- Follow the drying times for subsequent coats.

Cleaning and Storage

- Clean all application equipment with warm soapy water.
- Clarity Clear Tint and Clarity Clear Topcoat shelf life when stored in ideal conditions is 2 years.
Store at a temperature between 10°C–30°C (50°F– 86°F).
- Keep containers tightly closed. Protect from freezing.
- Dispose according to local, provincial, or federal requirements. If available, recycle at the local paint recycling depot.

Maintenance

Vertical surfaces require maintenance every 3-6 years. Maintenance is necessary when the surface shows signs of wear such as fading, loss of luster, or erosion. Periodically clean the wood surface with a power washer or Broda Wood Wash to remove dirt and residue. The frequency of maintenance coats required will depend on prior preparation quality, application quality, number of coats, weathering, and exposure levels. If fading or erosion is evident, prepare wood by using a power washer to lightly clean the wood surface or use Broda Wood Bright, lightly sand. Then re-apply one or two maintenance coats of Broda Clarity according to instructions.

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.