



# BLUE RIVER COATINGS

## Product Data Sheet

### WOOD STAIN CONCENTRATE

Spray/Brush Application

#### PRODUCT DESCRIPTION

BLUE RIVER COATINGS Wood Stain Concentrate is a water based stain developed to provide long lasting protection and a beautiful appearance on wood surfaces. BLUE RIVER COATINGS Wood Stain Concentrate offers the advantages of deep penetrating pigments and excellent moisture repellency. The product dries quickly, therefore minimizing excessive grain raise. The product can be used as an interior or exterior stain.

#### ENVIRONMENTAL ADVANTAGES

BLUE RIVER COATINGS Semi-Transparent Wood Stain Concentrate is a low VOC (Volatile Organic Compound), high performance stain product. It is considered non-hazardous by EPA definitions and does not contain lead or chromates. The solid and semi-solid sludge produced in spraying and clean up can be flocculated; dried and sent to a "Class B" landfill. Check with your local and state regulations for proper handling.

#### CHARACTERISTICS

- ◆ Interior or exterior application
- ◆ Excellent pigment penetration
- ◆ Minimal grain raising
- ◆ Can be applied in a wide variety of temperature and humidity conditions
- ◆ Water is used for clean-up
- ◆ Non-Hazardous
- ◆ Shelf life of 1 year
- ◆ Non-Flammable

#### USES

- ◆ Redwood
- ◆ Pine
- ◆ Cedar
- ◆ Fir
- ◆ Pressure Treated Lumber
- ◆ Decks
- ◆ Fences
- ◆ Shake Shingles
- ◆ Log Homes
- ◆ Any wood surface that can be stained

#### AIR QUALITY DATA

- ◆ Free of lead and chromates.

#### PHYSICAL DATA

- ◆ Liquid
- ◆ Specific Gravity: 1.03
- ◆ VOC: 0.5 lb/gal, 60 gm/ltr
- ◆ Odor: Mild
- ◆ Shelf Life: 1 year
- ◆ % Solid by weight: 22.4%
- ◆ % Solid by volume 17.3%
- ◆ Boiling Point: 336°F
- ◆ Weight per gallon: 8.5 lbs
- ◆ Flash Point: 150°F

## PERFORMANCE DATA

1. Excellent adhesion to preservative treated woods
2. Drying Time (Air Dry): Recoat – 5 minutes @50% humidity and 75 °F\*\*
3. Drying Time (Air Dry): Dust Free – 5 minutes @50% humidity and 75 °F\*\*
4. Drying Time (Air Dry): Dry To Handle – 10 minutes @50% humidity and 75 °F\*\*
5. Drying Time (Heat): Dry to Stack – 3 minutes at 50% humidity and 140°F\*\*
6. \*\*Drying times will be longer for wiping stain formulations
6. Theoretical Coverage at 1 mil: 277 ft<sup>2</sup> (1,604 x 17.3% solid by volume)
7. Coverage for smooth wood is approximately 250-300 ft<sup>2</sup>
8. Coverage for rough sawn wood is approximately 150-200 ft<sup>2</sup>
9. One gallon of concentrate will make 3 to 4 gallons of usable product depending upon dilution rate

## APPLICATION

1. Blue River Coatings Semi-Transparent Wood Stain Concentrate is manufactured in concentrate form. Prior to application, reduce the concentrate with water. Recommended reduction rate is 2:1 by volume with water (2 parts water with 1 part stain concentrate). Application can be accomplished with other dilution rates such as 1:1 or 3:1. The use of a different reduction rate is determined by the applicator and can change the overall appearance and color. For lighter colors use a 3:1 ratio and for more intense colors use a 1:1.
2. Make sure wood surface is clean of all dirt and loose debris. If surface is new wood, make sure the wood has aged 1-3 months and that any mill glaze has been removed prior to application.
3. Blue River Coatings Wood Stain Concentrate is a semi-transparent wood stain and should be applied to bare wood. If the surface has been coated previously, use a commercially available, waterbased deck/fence stripper to strip off the old coating prior to application.
4. If the surface is weathered and gray, use a commercially available, waterbased deck/fence cleaner and brightener prior to application.
5. Prior to application, test the wood surface to make sure that the surface will allow the stain to penetrate. Sprinkle a few drops of water onto the wood surface to be stained. If the water is absorbed into the cleaned surface within a few minutes, the surface is ready to be stained. If the water does not penetrate, the surface will have to be cleaned or stripped.
6. Cover any area that will not be stained such as sidewalks, siding, doors, windows, plants and shrubs with a tarp or drop cloth. Blue River Coatings Semi-Transparent waterbase stain will not harm plants or foliage.
7. Mix or agitate product thoroughly prior to and during application to ensure uniform color dispersion in the container. If more than 1 container is used during the application, mix each container together to ensure uniform color is attained for the entire application.
8. Using a brush, roller (9 inch with 3/8" or 3/4" nap length), stain pad, garden sprayer, or lint free towel, apply one coat of Blue River Coatings Semi-Transparent wood stain. Backbrush for better color uniformity. Make sure the stain is applied between boards (decks and fencing) to include all cracks and exposed end grain. Always wear proper protective equipment to include gloves and eye protection.
9. If the wood is dry and absorbs the first coat rapidly, apply a second application while the wood is still wet from the first application (wet on wet).
10. Wipe up or brush out any puddles to insure color uniformity and sheen.
11. Allow surface to dry for 24 hours before subjecting the surface to light foot traffic.
12. Clean up with warm water and soap.