



# BLUE RIVER COATINGS

## Product Data Sheet

### WOOD PRIMER

#### PRODUCT DESCRIPTION

BLUE RIVER COATINGGS WOOD PRIMER is a high quality, single component primer, not requiring any catalyzing agent. WOOD PRIMER offers good coverage, excellent durability, and ease of application, as well as being a low VOC and EPA compliant coating. BLUE RIVER COATINGS WOOD PRIMER has been tested and approved by the Window Door Manufacturer Association (WDMA).

#### ENVIRONMENTAL ADVANTAGES

BLUE RIVER COATINGS WOOD PRIMER is a low VOC (Volatile Organic Compound), high performance production coating. 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 local and state regulations for proper handling.

#### CHARACTERISTICS

- ◆ Excellent exterior durability
- ◆ Excellent hardness/impact resistance
- ◆ Excellent mar and abrasion resistance
- ◆ Excellent adhesion to wood preservatives
- ◆ Solvent resistant
- ◆ Can be applied in a wide variety of temperature and humidity conditions without the use of retarders
- ◆ Distilled water is used for reduction
- ◆ Water is used for clean-up
- ◆ Non-Hazardous
- ◆ Air dry or force curing preferred
- ◆ Can be oven baked
- ◆ Wide range of colors
- ◆ Shelf life of 1 year
- ◆ Unused paint can be returned to container
- ◆ Will not support combustion
- ◆ Excellent water repellency
- ◆ Household cleaner resistant

#### USES

- ◆ Wood windows and doors
- ◆ Pre-Finished siding

#### AIR QUALITY DATA

- ◆ VOC (Volatile Organic Compounds) 2.0 lb/gal; 240 gm/ltr
- ◆ Free of lead and chromates

#### PHYSICAL DATA

- ◆ Liquid
- ◆ Specific Gravity: >1
- ◆ Vapor Density: Heavier than air
- ◆ Evaporation Rate: Slower than ether
- ◆ pH: 7-8.5
- ◆ VOC: 2.0 lb/gal; 240 gm/ltr
- ◆ Boiling Point: 336°F
- ◆ % Solid by weight: 43.2%
- ◆ % Solid by volume: 40.62%
- ◆ Weight per gallon: 10.36 lbs
- ◆ Flash Point: 150°F CC

## PERFORMANCE DATA

1. Salt Fog in Harshaw No. 22 cabinet via ASTM B117 procedures with 5% NaCl solution. Evaluation of panels follows ASTM D610, D714, and D1654 – Passed 500 hours.
2. Impact Resistance: Direct 80 inch pounds
3. Excellent adhesion to preservative treated woods
4. Air Dry: 20 minutes
5. Drying Time (Air Dry): Recoat – 20 minutes @50% humidity and 75 °F
6. Drying Time (Air Dry): Dust Free – 10 minutes @50% humidity and 75 °F
7. Drying Time (Air Dry): Dry To Handle – 30 minutes @50% humidity and 75 °F
8. Drying Time (Heat): Dry to Stack – 6 minutes at 50% humidity and 140°F
9. Primer has been tested and approved for use by Sealrite Windows, Inc., including an actual 18-month exterior weather test at the Sealrite plant in Nebraska. Also approved by Windsor Windows in Iowa and North Carolina.
10. Less than 1% water gain when submerged in water for 24 hours
11. Testing facility Reliability Laboratories
12. Theoretical Coverage at 1 mil: 652 ft<sup>2</sup> (1,604 x 40.62% solid by volume)

## SPECIFICATIONS

**WOOD:** Surface must be dry, sanded and dust free.

## APPLICATION

1. Spraying: reduce with distilled water to 20-25 seconds Zahn #2. Apply with standard equipment – pressure or suction feed, HVLP or electrostatic. Atomization breakup depends upon viscosity of primer. Best performance is with an agitation pot.
2. Brushing or rolling: reduce with distilled water to 30-38 seconds Zahn #2.
3. Stir contents before use. **Never shake or stir under high agitation.**
4. Shelf life: 1 year.
5. **Must be top coated within 60 days of application.**

## CLEAN-UP WITH WATER

Use water for cleanup. If the primer dries in the spray equipment, solvents may have to be used for cleanup. If the internal parts of the spray equipment are not stainless steel, it is recommended that the gun be disassembled and allowed to air dry.