



BLUE RIVER COATINGS

Product Data Sheet

CONVERSION COATING

PRODUCT DESCRIPTION

BLUE RIVER COATINGS CONVERSION COATING is a water-based product that eliminates rust by accomplishing two functions at the same time. First, rust is converted to ferric iron, a black organic compound. Second, a coating of clear acrylic is formed over the coated area. The surface that remains after the transformation can be either left black or coated with Blue River Coatings wide range of products for the desired outcome. Product tests have shown that Blue River Conversion Coating has extended the life of equipment or products for several more years after probable replacement. Blue River Coatings Conversion Coating can be used on all rusted surfaces.

ENVIRONMENTAL ADVANTAGES

BLUE RIVER COATINGS CONVERSION COATING 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

- ◆ Excellent durability
- ◆ Can be applied to interior and exterior surfaces
- ◆ Final coating can be painted
- ◆ Distilled water is used for reduction
- ◆ Water is used for clean-up
- ◆ Non-Hazardous
- ◆ Coating will not flash rust on bare metal
- ◆ Shelf life of 1 year
- ◆ Unused product can be returned to container
- ◆ Non-Flammable

USES

- ◆ Schools
- ◆ Industrial Plants
- ◆ Homes
- ◆ Farms
- ◆ Machinery
- ◆ Automobiles
- ◆ Heavy Equipment
- ◆ Boats
- ◆ Tools
- ◆ Railroads

AIR QUALITY DATA

- ◆ VOC (Volatile Organic Compounds) 0.2 lb/gal; 35 gm/ltr
- ◆ Free of lead and chromates

PHYSICAL DATA

- ◆ Liquid, Cream Color
- ◆ Specific Gravity: 1
- ◆ Vapor Density: Heavier than air
- ◆ Evaporation Rate: Slower than Ether
- ◆ VOC: 0.2 lb/gal; 35 gm/ltr
- ◆ Boiling Point: 212°F
- ◆ % Solid by weight: ND
- ◆ % Solid by Volume: ND
- ◆ Weight per gallon:
- ◆ Flash Point: None

PERFORMANCE DATA

Recommended film thickness for test results on steel is 1 mil.

- ◆ Salt Spray: Good
- ◆ Solvent Resistance: Good
- ◆ Flexibility: Good
- ◆ Hardness: HB
- ◆ Drying Time (Air Dry): Recoat – N/A
- ◆ Drying Time (Air Dry): Dust Free – 10 minutes @ 50% humidity and 75°F
- ◆ Drying Time (Air Dry): Dry to handle – 1 hour @ 50% humidity and 75°F

SPECIFICATIONS

METAL: Surface must be free of grease, oil, dirt and other foreign matter. If scale rust is present, brush surface with wire/steel brush to remove heavy oxidation and loose flakes.

APPLICATION

1. Stir contents before use. **Never shake or stir under high agitation.**
2. Spraying: reduce with distilled water to 20-25 seconds Zahn #2.
3. Apply with standard equipment-pressure or suction feed, air assisted airless, HVLP, LVLP or electrostatic. Atomization pressure depends on viscosity. Best performance is with an agitation pot.
4. Brushing or rolling: reduce with distilled water to 30-38 seconds Zahn #2.
5. Apply coating over entire rusted area and allow to dry completely. Coating will go from clear to black depending on the amount of rust present. The more rust/oxidation present, the darker the coating.
6. Shelf life: 1 year.
7. Do not store at/or below freezing 32°F.

CLEAN-UP WITH WATER

Use water for cleanup. If the coating 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.