



# BLUE RIVER COATINGS

## Product Data Sheet

### HIGH PERFORMANCE ACRYLIC TOPCOAT

#### PRODUCT DESCRIPTION

BLUE RIVER COATINGS HIGH PERFORMANCE ACRYLIC TOPCOAT is a water dispersible acrylic enamel. HIGH PERFORMANCE ACRYLIC TOPCOAT is designed to be a low VOC and EPA compliant coating with excellent coverage and mar resistance. HIGH PERFORMANCE ACRYLIC is an ideal topcoat to replace solvent base acrylic enamel.

#### ENVIRONMENTAL ADVANTAGES

BLUE RIVER COATINGS HIGH PERFORMANCE ACRYLIC TOPCOAT 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

- ◆ Good exterior durability
- ◆ Available in satin to gloss finish
- ◆ Good hardness/impact resistance
- ◆ Water is used for reduction
- ◆ Excellent performance on most plastics
- ◆ Water is used for clean-up
- ◆ Non-Hazardous
- ◆ Air dry or force curing preferred
- ◆ Wide range of colors
- ◆ Coating will not flash rust on bare metal
- ◆ Shelf life of 1 year
- ◆ Unused paint can be returned to container
- ◆ Non-Flammable

#### USES

- ◆ Steel
- ◆ Aluminum
- ◆ Fiberglass
- ◆ Wood
- ◆ Plastics
- ◆ PVC

#### AIR QUALITY DATA

- ◆ VOC (Volatile Organic Compounds) 1.2 lb/gal; 144 gm/ltr
- ◆ Free of lead and chromates

#### PHYSICAL DATA

- ◆ Liquid
- ◆ Specific Gravity: >1
- ◆ Vapor Density: Heavier than air
- ◆ Evaporation Rate: Slower than ether
- ◆ VOC: 1.2 lb/gal; 144 gm/ltr
- ◆ Boiling Point: 336°F
- ◆ % Solid by weight: 43%
- ◆ % Solid by volume: 39.2%
- ◆ Weight per gallon: 8.7 lbs
- ◆ Flash Point: 150°F CC

#### PERFORMANCE DATA

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

1. Salt Spray: Good
2. Solvent Resistance: Good-20 double rubs
3. Flexibility: Good
4. Theoretical Coverage at 1 mil: 628 ft<sup>2</sup> (1604 x 39.2% solids by volume)
5. Hardness: HB
6. Drying Time (Air Dry): Recoat – 10 minutes @ 50% humidity and 75°F
7. Drying Time (Air Dry): Dust Free – 20 minutes @ 50% humidity and 75°F
8. Drying Time (Air Dry): Dry To Handle – 45 minutes @ 50% humidity and 75°F

## **SPECIFICATIONS**

**METALS:** Surface must be free of grease, oil, dirt, and other foreign matter. Oxidation material must be removed or converted with Blue River Coatings Conversion Coating. Priming with Blue River Coatings Primer Sealer or Hydro-Poxy Primer is recommended. For compatibility with other primers, contact Blue River Coatings.

**PLASTICS:** Good adhesion on most plastics.

**WOOD:** Surface must be dry, sanded and dust free. Oil stains may not be used. For information on approved water base stains and sanding sealers, contact Blue River Coatings.

## **APPLICATION**

1. Spraying: reduce with distilled water to 20-25 seconds Zahn #2.
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. Apply with standard equipment-pressure or suction feed, air assisted airless, HVLP, LVLP or electrostatic. Atomization pressure depends on viscosity.

## **CLEAN-UP WITH WATER**

If the paint dries, solvents may have to be used for clean up. If the spray equipment is not stainless steel, the equipment may have to be taken apart and air-dried.

## **WEATHEROMETER**

Excellent salt spray resistance and UV resistance when compared to acrylic solvent based topcoats.