

## Blue River Coatings Undercoat Primer

Category : Polymer , Adhesive , Thermoset

**Material Notes:**

BLUE RIVER COATINGS UNDERCOAT PRIMER is a high quality, single component primer, not requiring any catalyzing agent. Performance obtained is equal or superior to that of two-component, catalyzed epoxy systems. UNDERCOAT PRIMER offers good coverage, excellent durability, and ease of application, as well as being a low VOC and EPA compliant coating. Environmental Advantages: BLUE RIVER COATINGS UNDERCOAT 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 on plastics and gel coat substrates 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 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 Concrete Plastics PVC Truck chassis Automobile chassis Trailers Heavy equipment Salt Fog in Harshaw No. 22 cabinet via ASTM B117 procedures with 5% NaCl solution. Evaluation of panels follows ASTM D610, D714, and D1654. 1512 hours Scribed – 1/16" dense #4. Moderate rust rundown OK – moderate rust rundown Unscribed – OK – moderate rust rundown Tested by McWhorter Technologies Information provided by Blue River Coatings

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Blue-River-Coatings-Undercoat-Primer.php](http://www.lookpolymers.com/polymer_Blue-River-Coatings-Undercoat-Primer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	>= 1.00 g/cc	>= 1.00 g/cc	
Density	1.241 g/cc	0.04485 lb/in <sup>3</sup>	
Solids Content	40.62 %	40.62 %	by volume
	43.2 %	43.2 %	by weight
Volatile Organic Compounds (VOC) Content	240 g/l	240 g/l	
pH	7.0 - 8.5	7.0 - 8.5	

Mechanical Properties	Metric	English	Comments
Impact Test	20.3 J	15.0 ft-lb	Reverse on steel

Thermal Properties	Metric	English	Comments
Boiling Point	169 °C	336 °F	
Flash Point	65.6 °C	150 °F	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Dust Free, at 50% humidity
	@Temperature 75.0 °C	@Temperature 167 °F	
	19.8 min	0.330 hour	Recoat, at 50% humidity
	@Temperature 75.0 °C	@Temperature 167 °F	
	30.0 min	0.500 hour	Dry to handle, at 50% humidity and 75°C
	@Temperature 75.0 °C	@Temperature 167 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Adhesion	Excellent; Steel, Plastic, and Aluminum.	
Evaporation Rate	Slower than ether	
Theoretical Coverage	652 ft <sup>2</sup> at 1 mil	
Vapor Density	Heavier than air	

## Contact Songhan Plastic Technology Co.,Ltd.

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