

## Blue River Coatings Steel Seal Primer

Category : Polymer , Adhesive , Thermoset

### Material Notes:

BLUE RIVER COATINGS STEEL SEAL PRIMER is a high quality, single component primer, not requiring any catalyzing agent. STEEL SEAL PRIMER is designed for dip coaters who need a quick, fast drying paint for corrosion resistance and high gloss. STEEL SEAL PRIMER dries in about 6-8 minutes @ 70°F and 50% humidity. STEEL SEAL PRIMER offers good coverage and durability, as well as being a low VOC and EPA compliant coating. Environmental Advantages: BLUE RIVER COATINGS STEEL SEAL 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 dip coating Good hardness/impact resistance Good mar and abrasion resistance 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 80% gloss on 60° glossometer 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 Metal Pipe Salt Fog in Harshaw No. 22 cabinet via ASTM B117 procedures with 5% NaCl solution. Evaluation of panels follows ASTM D610, D714, and D1654. 200 hours Scribed – 1/16" dense #4. Moderate rust rundown OK – moderate rust rundown Unscribed – OK – moderate rust rundown Information provided by Blue River Coatings

Order this product through the following link:

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

Physical Properties	Metric	English	Comments
Specific Gravity	>= 1.00 g/cc	>= 1.00 g/cc	
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	
Solids Content	32 %	32 %	by volume
	35 %	35 %	by weight
Volatile Organic Compounds (VOC) Content	60 g/l	60 g/l	
pH	7.0 - 8.5	7.0 - 8.5	

Mechanical Properties	Metric	English	Comments
Impact Test	11.3 J	8.33 ft-lb	Reverse/direct 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	1.00 min	0.0167 hour	Dry to handle, at 50% humidity and 75°C
	@Temperature 75.0 °C	@Temperature 167 °F	
	4.02 min	0.0670 hour	Dust Free, at 50% humidity
	@Temperature 75.0 °C	@Temperature 167 °F	
	4.02 - 4.98 min	0.0670 - 0.0830 hour	Recoat, at 50% humidity
	@Temperature 75.0 °C	@Temperature 167 °F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Evaporation Rate	Slower than ether	
Theoretical Coverage	514 ft <sup>2</sup> at 1 mil	
Vapor Density	Heavier than air	

## Contact Songhan Plastic Technology Co.,Ltd.

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