

Blue River Coatings CRC100-H

Category : Polymer , Adhesive , Thermoset

Material Notes:

BLUE RIVER COATINGS CRC100-H is a two-component inorganic corrosion resistant coating designed for Original Equipment Manufacturers (OEM) to protect metal substrates from corrosion and abrasion. If gouged or damaged, the coating will not experience creepage and is repairable. The product is designed to coat surfaces that require a hard, abrasive, and chemical resistant coating that can withstand temperatures of 1,800°F. CRC100-H offers excellent durability and corrosion protection as well as being a low VOC and EPA compliant coating. Environmental Advantages:BLUE RIVER COATINGS CRC100-H 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 dried and sent to a "Class B" landfill. Please follow local and state regulations in the proper use and disposal of this product. Characteristics:Excellent hardnessExcellent adhesion to oxidized metalExcellent hardnessExcellent heat tolerance (1800°F+)Excellent acid resistanceGood impact resistance and flexibility Available in flat finish onlyNon-photochemically reactiveApplication by spraying or dippingSolvent is used for clean-upAir dry Product life of 48 hours UsesSteelAluminumInformation provided by Blue River Coatings

Order this product through the following link:

http://www.lookpolymers.com/polymer_Blue-River-Coatings-CRC100-H.php

Physical Properties	Metric	English	Comments
Specific Gravity	>= 1.00 g/cc	>= 1.00 g/cc	
Density	1.21 g/cc	0.0437 lb/in ³	
Solids Content	47.5 %	47.5 %	by volume
	48 %	48 %	by weight
Volatile Organic Compounds (VOC) Content	246 g/l	246 g/l	

Mechanical Properties	Metric	English	Comments
Impact Test	18.1 J	13.3 ft-lb	Forward and Reverse

Thermal Properties	Metric	English	Comments
Flash Point	8.33 °C	47.0 °F	Part A
	65.6 °C	150 °F	Part B

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 75.0 °C	4.00 hour @Temperature 167 °F	Recoat, at 50% humidity
	720 min	12.0 hour	Dust Free, at 50% humidity

Processing Properties		@Temperature 75.0 °C Metric	@Temperature 167 °F English	Comments
Descriptive Properties	Value	Comments		
Evaporation Rate	Slower than ether			
Flexibility	1/8" conical mandrel			
Pencil Hardness	4H			
Salt Spray	Pass	Non-oxidized steel panel, 2,000 hours with no blistering, creepage, cracking, peeling, or delamination.		
	Pass;	Oxidized steel panel, 1000 hours no blistering, creepage, cracking, peeling or delamination.		
Solvent Resistance	20; double rubs with lacquer thinner, acetone, MEK, and xylene with saturated cloth			
Submersion Test	>5 years	liquid fertilizer (nitrogen) with no blistering, cracking, peeling or delamination.		
	30 minutes	30 minutes in Hydrochloric Acid (10%) with no blistering cracking peeling or delamination.		
	30 minutes	Sulfuric Acid (10%) with no blistering, cracking, peeling or delamination.		
Theoretical Coverage	762 ft² at 1 mil			

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