

P-1079

Waterborne Epoxy Primer



Product P-1079 Waterborne Epoxy Primer

Item Class Epoxy Primer

P-1079 is a strontium chromate-based water-borne epoxy primer. This primer is chemical resistant and possesses excellent corrosion inhibiting properties. It was specifically formulated to meet stringent environmental regulations.

Specifications Product is manufactured to meet the performance requirements of the following specifications:

MIL-PRF-85582, Ty I, CI C2

Catalyst & Additives Catalyst/Activator Thinner

664	Distilled Water
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Surface Preparation Prepare substrate per OEM requirements. Contact your local 3Chem representative or distributor for assistance.

Mixing Instructions

Base	Catalyst/Activator	Thinner (Optional)	Mix Ratio
P-1079	664	Distilled Water	1:1

Shake Comp. "A" (Base) for 10-15 minutes. Mix comp. "A" (Base) and comp. "B" (Catalyst) 1:1 by volume. Make sure to thoroughly mix admixed material for at least 5 minutes. Admixed material may be reduced to desired viscosity using distilled water.

Induction Time Induction time of 30 minutes is required. Once mixed together, ensure that admixed material is continuously stirred for at least 5-10 minutes before proceeding.

Spraying Viscosity 18-24 Seconds with #2 Zahn cup

Pot Life 16 Hours @ 21° Celsius, 70° Fahrenheit

Film Thickness .5 - .8 mils DFT. Wet film thickness should be .75 – 1.25 mils total

Application Instructions

1

PRODUCT TECHNICAL DATA SHEET

P-1079

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Temperature and Humidity	Minimum	Maximum
Temperature Celsius	11°	35°
Temperature Fahrenheit	52°	95°
Humidity	33%	74%

Spray Equipment

Spray Gun Type	Tip/Nozzle Size	Cap Pressure	Pot Pressure
Conventional Air	1.3 - 1.6 mm	40 to 60 psi	10 to 20 psi
HVLP	1.4 - 1.6mm	10 psi Maximum	10 to 20 psi
Electrostatic	1.2 - 1.5mm	45 to 60 psi	10 to 40 psi

Number of Coats:

Apply one even wet coat within film thickness recommendations.

Note: Maximum overcoat window without mechanical reactivation is 48 hours.

Application Instructions

 Dry times: @ 21° Celsius, 70° Fahrenheit

Dust Free	Tack Free	Dry to Tape	Dry to Top Coat	Dry Hard	Full Cure
1 Hour	2 Hours	4 Hours	1 Hour	5 Hours	6 Days

Theoretical Coverage 350-375 sq. ft / gallon @ 1 mil 8-9-m² / liter @1 mil
*Coverage based on 100% transfer efficiency rate

Color Yellow

Gloss 10 maximum @ 60 degrees

Volatile Organic Compound 300 g/l

Shelf Life 24 Months (When stored in climate-controlled environment between 60-80° F)
*Product may be re-certified upon inspection by 3Chem.

Safety Instructions Always read material safety data sheet (SDS) and product label before utilizing this product. Product SDS is available upon request.

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