

Product	P-1032 Polyurethane Co	nductive Coating		
Item Class	Specialty Coating			
	P-1032 is a polyurethane of conductive film on high te an electrical resistivity of 5	ch applications inclu	ding radomes and ar	
Specifications	Product is manufactured t	o meet the perform	ance requirements o	f the following specifications:
	AIMS 04-04-005 Ty I & II 51 - Z-12.506	- BAEP 3537 - TH 5.7	23/1 - TN A.007.1010	06 B - VV0605-
Catalyst & Additives	Catalyst/Activator	Additive		
···· ,··· ··· ···	651	PS40 Accelerator		
		CRL25 (Rolling/Brus	hing)	
Use of Primers	Please contact your local 3Chem representative for a complete list of epoxy primers which may be utilized with this system.			
Surface Preparation	Prepare substrate per OEM requirements. Refer to product application guide for detailed instructions or contact your local 3Chem representative for assistance.			
Mixing Instructions	Base	Catalyst/Activator	Mix Ratio	

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	P-1032	651	1:1

Shake (Base) for 15 minutes to assure no solid settlement remains in can. Add component B catalyst to component A paint first. Mix ratio for material is1 part component A paint, 1-part component B catalyst. No thinner should be added to semi-gloss or flat colors. (Kit yield either 2 gallons or 2 quarts). Must insure mix ratio is exact to obtain desired semi-gloss or flat finish.

Induction Time Although no induction time is needed. Once mixed together, insure that admixed material is continuously stirred for at least 5 minutes before proceeding.

Spraying Viscosity 19-22 Seconds with #2 Zahn cup

Pot Life 7 Hours @ 21° Celsius, 70° Fahrenheit

Film Thickness 2-3 Mils DFT (2 Coats @ 1-1.5 DFT) Wet film thickness should be 4-6 Mils total between 2 coats

Application Instructions

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

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Application Instructions

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

Temperature	Wet-Edge	Time Between Coats	Dry to Tape	Dry to Handle	Full Cure
52-65°F (11-18°C)	40 Min	30-50 Min	5-6 Hours	7-8 Hours	6 Days
66-85°F (19-29°C)	35 Min	30-45 Min	5-6 Hours	7-8 Hours	6 Days
86-95°F (30-35°C)	30 Min	30-40 Min	6-7 Hours	7-8 Hours	6 Days

Only mix enough material to be applied on initial coat. Always add component B activator to component A paint. Complete kit of material will yield 2 US Gallons (7.5 liters). 1-gallon component A paint, 1-gallon component B activator.

Apply one even wet coat of material using a uniform spray pattern. Cross coat may be used to achieve 100% coverage in one single coat depending on color. Note: Apply only one coat of material to achieve proper gloss requirement of product.

Application Instructions PS40 Accelerator (Fast dry additive mix options)

PS40 Accelerator	Dry Between Coats	Dry to Handle	Dry Hard	Pot Life	Full Cure
2% By Volume	12 Minutes	2 Hours	4 Hours	4 Hours	6 Days
3% By Volume	10 Minutes	1.5 Hours	3 Hours	3 Hours	6 Days
5% By Volume	5 Minutes	45 Minutes	1 Hour	45 Minutes	6 Days

*Note: Over use of PS40 additive may affect product gloss and finish

Theoretical Coverage	800-900 sq. ft / gallon @ 1 mil 20-22m2 / liter @1 mil *Coverage based on 100% transfer efficiency rate		
Color	Flat Black		
Gloss	Less than 5 @ 60 degrees		
Volatile Organic Compound 300 – 390 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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2

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