P-1002

Epoxy Anti-Static Conductive Coating

Product **P-1002 Epoxy Anti-Static Conductive Coating**

Item Class Specialty Coating

P-1002 is an epoxy conductive coating formulated to produce an anti-static conductive film on high tech fiberglass applications.

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

AIMS 04-04-005 - BAMS 565-012, Ty III – **MEP 10-53 Ty I - STM 37-510C, Ty III, Cl II - WP143 - Z-12.506
*Anti-static and conductivity independent laboratory tests available upon request.
**On QPL Listing
Please contact your 3Chem representative for a complete specification listing.

Catalyst & Additives

Catalyst/Activator	Thinner (Optional)
603	CF3

Use of Primers 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 application guide for detailed instructions or contact your local 3Chem representative for assistance.

Mixing Instructions

Base	Catalyst/Activator	Thinner (Optional)	Mix Ratio
P-1002	603	CF3	1:1

Shake Comp. "A" (Base) for 10-15 minutes. Mix comp. "A" (Base) and comp. “B” (Catalyst) 1:1 by volume. No induction time is necessary. However, make sure to thoroughly mix admixed material for at least 5 minutes. Admixed material may be reduced to desired viscosity using 3CHEM thinner CF3, using caution as use of solvents will increase VOC. Use of thinner is optional and not required.

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

Spraying Viscosity 19-24 Seconds with #2 Zahn cup

Pot Life 6 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%

Dry Times					
Dust Free	**Tack Free**	**Dry to Tape**	**Dry to Topcoat**	**Dry Hard**	**Full Cure**
15 Minutes	2 Hours	2-3 Hours	1 Hour	6 Hours	6 Days

Spray Gun Type	Tip/Nozzle Size	Cap Pressure	Pot Pressure
Conventional Air	1.6 - 1.8 mm	40 to 60 psi	10 to 20 psi
HVLP	1.6 - 1.8mm	10 psi Maximum	10 to 20 psi
Electrostatic	1.4 - 1.6mm	45 to 60 psi	10 to 40 psi

Apply one tack coat of material using a uniform spray pattern.
After 30 minutes, apply second even wet coat within film thickness recommendations.
Note: Maximum overcoat window without mechanical reactivation is 48 hours.

Force Cure: If deemed necessary oven curing is possible to reduce dry to tape and handle times. After application, allow coating to air dry for 1 hour at room temperature (75° F), then force cure for 2 hours at 120° F.

Theoretical Coverage 375-575 sq. ft / gallon @ 1 mil 9-11m2 / liter @1 mil
*Coverage based on 100% transfer efficiency rate

Color Black

Gloss Flat/Matt Colors: Less than 10 @ 60 degrees

Volatile Organic Compound 340 g/l

Shelf Life 12 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.