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119-20

RED, EPOXY ENCAPSULATION COATING

DESCRIPTION: 119-20 is an odorless, red, one component, epoxy encapsulation coating. This product is designed specifically for low viscosity/anti sag dip coating applications. 119-20 can be used up to 0.125" thick; for thicker coatings, multiple coats may be necessary. 119-20 features excellent electrical insulation properties as well as long pot life at room temperature.

INSTRUCTIONS: Premix in original container prior to using to resuspend any fillers which may have settled during storage. Cleaning can be accomplished using CMI#203 thinner.

NOTE: It is not unusual for crystalization of the 119-20 to occur. Warm to 40-45°C in a water bath to return the material to it's original viscosity. The crystalization does not effect the performance of the product in any way.

UNCURED PROPERTIES:

Viscosity (cps):	15,000 - 20,000
Thixotropic Index:	4.8 min.
Color:	Red
Odor:	None
Shelf Life:	2 weeks at 25°C 2 months at 5°C 6 months at -10°C

CURING INSTRUCTIONS:

Cure: 30 minutes@ 150°C

NOTE: Cure time is mass related

TYPICAL CURED PROPERTIES:

Specific Gravity	1.21
Coef. of Therm. Exp.(in/in/°C x 10 ⁻⁶)	22
Therm. Cond. (cal/sec/cm ² /°C/cm)	0.00307
Cure Shrinkage (%)	0.189
Heat Distortion Temp. (°C)	121
Tensile Strength (psi)	9600
Water Absorption (%)	< 0.22
Dielectric Strength (volts/mil)	450
Volume Resistivity (Ω-cm)	1 x 10 ¹⁵
Power Factor (103 HZ)	0.03
Shore D Hardness	>85