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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 crystallization 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 crystallization 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

All technical information is based on data obtained by CMI personnel and is believed to be reliable. No warranty is either expressed or implied with respect to results or possible infringements on patents.

REVISION DATE: 6/9/97 REVISION: A