

ACA 10-413

Heat Resistance and Electrically Resistant Coating

Coating

PRODUCT DESCRIPTION —ACA 10-413 is a water-borne heat resistant electrically resistant coating designed for application to stainless steel and other metals. ACA 10-413 should be evaluated where electrical insulation is required on metal foil and where considerable heat resistance is also required. Apply 0.3 to 0.5 mils of coating onto the metal foil in order to enjoy a pinhole free coating. If pinholes do appear, it may be necessary to apply a second thin coating to fill the pinholes.

COATING METHOD—The water-borne coating may be applied best by gravure coating. Spray coating may be used for some special small applications but care must be taken to avoid the electrical pinholes. Water may be used to dilute the coating if necessary.

Drying is best in forced air oven with a temperature of about 350° F. This will yield a dry, colorless, tack-free coating. No primer is required on the metal to achieve good adhesion in most applications. Of course if the metal is soiled or oily then cleaning or priming may be necessary to avoid pinholes.

CLEAN UP— Wash the equipment with water to remove the wet adhesive. Dry coating removal will require a toluene solvent wash for best results. Toluene is an inflammable volatile solvent and should be used in conformance of OSHA guidelines.

WET ADHESIVE PROPERTIES

<u>Test</u>	<u>Value</u>	<u>Test</u>	<u>Value</u>
pH	7.0 – 7.5	Percent VOC by volume	12.89
Viscosity (cps)	880	Percent water by weight	53.46
wt./gal. (lbs.)	8.85	Percent water by volume	67.07
Percent solids by weight	35.96	Percent of VOC per gallon	0.94
Percent solids by volume	30.36	Pounds of VOC per gallon less water	2.16
Percent VOC by weight	10.58		

NON-WARRANTY NOTICE—Our recommendations, if any, for use of this product are based on tests believed to be reliable. The greatest care is exercised in the selection of our materials and in our manufacturing operations. We make no recommendation to use this product in any manner which conflicts with existing laws and/or patents and WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS PRODUCT OR ITS USE, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. THE MANUFACTURER IS NOT LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES OF ANY KIND.

