

Chemical Spot Test for Modified Epoxy Resin

Procedure

With nonvolatile reagents, approximately ½ cc of the reagent was applied to the surface tested. The reagent was covered with a wide mouth bottle to retard evaporation. With volatile reagents, a 1" (25mm) ball of cotton was saturated with the reagent and placed on the surface tested, then covered with a wide mouth bottle. All surface test spots were wet with reagent for a 16 hour period. After exposure, the surface was washed with soap and water, rinsed and dried before examination and evaluation.

Acetic Acid, 5%	Iso-Octane
Acetic Acid, Glacial	Kerosene
Acetone	Methyl Alcohol
Ammonium Hydroxide, 28%	Mineral Oil
Aniline Oil	Nitric Acid, 70%
Benzene	Nitric Acid, 10%
Carbon Tetrachloride	Oleic Acid
Citric Acid, 10%	Olive Oil
Cottonseed Oil	Phenol
Diethyl Ether	Soap Solution, 1%
Dimethyl Formamide	Sodium Carbonate, 20%
Distilled Water	Sodium Carbonate, 2%
Detergent Solution, ¼%	Sodium Chloride, 10%
Ethyl Acetate	Sodium Hydroxide, 10%
Ethyl Alcohol, 95%	Sodium Hypochlorite, 5%
Ethyl Alcohol, 50%	Sulfuric Acid, 60%
Ethylene Dichloride (Dichloroethane)	Sulfuric Acid, 33%
Heptane	Toluene
Hydrochloric Acid, 37%	Transformer Oil
Hydrochloric Acid, 20%	Turpentine
Hydrogen Peroxide, 20%	100 Hr Soaked Cellulose Sponge Test
Hydrogen Peroxide, 3%	Boiling Water, Trickling, 5 Minutes

