

PHENOLIC RESIN COUNTERTOPS CHEMICAL COMPATIBILITY TESTING RESULTS

Testing Methods:

Method A - For volatile chemicals. A cotton ball saturated with the test chemical was placed in a one ounce bottle (10mm x 75mm test tube or similar container). The container was inverted on the test material surface for a period of 24 hours. Temperature of test: 23° +/-2° C (73° +/-4° F). This method was used for the organic solvents.

Method B - For non-volatile chemicals. Five drops (1/4cc) of the test chemical were placed on the test material surface. The chemical was covered with a watch glass (25mm) for a period of 24 hours. Temperature of test: 23° +/-2° C (73° +/-4° F). This method was used for all chemicals listed below other than the solvents.

Resistance Definitions:

High: No detectable change in material surface.

Moderate: Slight detectable change in color or gloss but no change to function or life of work surface material.

Light: Slight surface etching or severer staining. Clearly discernable change in color or gloss but no significant impairment of surface life or function.

Poor: Pitting, cratering or erosion of work surface material; obvious and significant deterioration. Objectionable change in appearance due to surface discoloration.

Chemicals	Method	Resistance
Amyl Acetone	A	High
Ethyl Acetate	A	High
Acetic Acid 98%	B	High
Acetone	A	High
Acid Dichromate 5%	B	Moderate
Butyl Alcohol	A	High
Ethyl Alcohol	A	High
Methyl Alcohol	A	High
Ammonium Hydroxide, 28%	B	Moderate
Benzene	A	High
Carbon Tetrachloride	A	High
Chloroform	A	High
Chromic Acid 60%	B	Moderate
Cresol	A	Moderate
Dichloro Acetic Acid	A	Moderate
Dimethylformamide	A	High
Dioxane	A	High
Ethyl Ether	A	High
Formaldehyde 37%	A	High

Formic Acid 90%	B	Moderate
Furfural	A	High
Gasoline	A	High
Hydrochloric Acid 37%	B	High
Hydrofluoric Acid 48%	B	Moderate
Hydrogen Peroxide 28%	B	High
Tincture of Iodine	B	Moderate
Methyl Ethyl Ketone	A	Moderate
Methylene Chloride	A	High
Mono Chlorobenzene	A	Moderate
Napthalene	A	High
Nitric Acid 20%	B	High
Nitric Acid 30%	B	High
Nitric Acid 70%	B	High
Phenol 90%	A	Moderate
Phosphoric Acid 85%	B	High
Silver Nitrate, Saturated	B	High
Sodium Hydroxide 10%	B	High
Sodium Hydroxide 20%	B	High
Sodium Hydroxide 40%	B	High
Sodium Hydroxide Flake	B	High
Sodium Sulfide, Saturated	B	High
Sulfuric Acid 25%	B	High
Sulfuric Acid 85%	B	High
Sulfuric Acid 96%	B	High
Sulfuric Acid 85%, and Nitric Acid 70%, equal parts	B	High
Toluene	A	High
Trichlorethylene	A	High
Xylene	A	High
Zinc Chloride, Saturated	B	High



EPOXY TOPS
 chemical resistant countertops