

Chemical Comparison – 16 Hours Chemical Test

CHEMICAL	EPOXY RESIN	POLIESTER RESIN	ENGINEERING STONE	PHENOLIC RESIN (1)	LAMINATE	PHENOLIC RESIN (2)	KERAPLAN CERAMIC
Acetone	Green	Green	Green	Green	Green	Green	Green
Acetonitrile	Green	Green	Green	Green	Green	Green	Green
Alizarine	Green	Green	Yellow	Green	Green	Green	Green
Ethyl Alcohol 50%	Green	Green	Green	Green	Green	Green	Green
Ethyl Alcohol 95%	Green	Green	Green	Green	Green	Green	Green
Ammonia Solution 25%	Green	Green	Green	Green	Green	Green	Green
Giemsa's Stain	Green	Green	Red	Green	Green	Green	Green
Wright Stain	Green	Green	Red	Green	Green	Green	Green
Benzene	Green	Green	Green	Green	Green	Green	Green
Acetic Anhydride	Green	Green	Green	Green	Green	Green	Green
Aniline Blue	Green	Green	Yellow	Green	Green	Green	Green
Methylene Blue	Green	Green	Red	Green	Green	Green	Green
2-Butanone	Green	Green	Green	Green	Green	Green	Green
Sodium Chloride 10%	Green	Green	Green	Green	Green	Green	Green
Ferric Chloride	Green	Green	Green	Yellow	Green	Green	Green
Chromic Acid Cleaning Mix	Red	Yellow	Yellow	Green	Yellow	Green	Green
Carbon Tetrachloride	Green	Green	Green	Green	Green	Green	Green
Congo Red	Green	Green	Green	Green	Green	Green	Green
1,2 - Dichloroethane	Green	Green	Yellow	Green	Green	Green	Green
Dichloromethane	Green	Green	Yellow	Green	Green	Green	Green
Potassium Dichromate	Green	Green	Green	Green	Green	Green	Green
N. N - Dimethyloformamide	Green	Green	Green	Green	Green	Green	Green
1,4 - Dioxane	Green	Green	Green	Green	Green	Green	Green
Eosin	Green	Green	Yellow	Green	Green	Green	Green
Diethyl Ether	Green	Green	Green	Green	Green	Green	Green
Phenol	Green	Yellow	Green	Green	Green	Green	Green
Crystal Violet	Green	Yellow	Red	Red	Red	Red	Green
Methyl Violet	Green	Yellow	Red	Red	Green	Red	Green
Formaldehyde 37%	Green	Green	Green	Green	Green	Green	Green
Carbol Fuchsin	Green	Red	Yellow	Red	Red	Red	Green
Fuchsin Basic	Green	Red	Red	Red	Red	Red	Green
Furfural	Yellow	Red	Red	Green	Yellow	Green	Green
Ethylene Glycol	Green	Green	Green	Green	Green	Green	Green
N - Hexane	Green	Green	Green	Green	Green	Green	Green
Heptane	Green	Green	Green	Green	Green	Green	Green
Isooctane	Green	Green	Green	Green	Green	Green	Green
Iodine Crystal	Green	Red	Yellow	Red	Red	Red	Green
Potassium Iodide 10%	Green	Green	Green	Green	Green	Green	Green
Carmine	Green	Green	Green	Green	Green	Green	Green
Xylene	Green	Green	Green	Green	Green	Green	Green
Nitric Acid 10%	Green	Green	Green	Green	Green	Green	Green
Nitric Acid 65%	Yellow	Yellow	Red	Yellow	Yellow	Yellow	Green
Chromic Acid 40%	Yellow	Yellow	Green	Yellow	Yellow	Yellow	Green
Citric Acid 10%	Green	Green	Green	Green	Green	Green	Green
Hydrofluoric Acid 48%	Red	Yellow	Yellow	Yellow	Red	Red	Yellow
Phosphoric Acid 85%	Green	Yellow	Green	Green	Green	Green	Green
Acetic Acid 5%	Green	Green	Green	Green	Green	Green	Green
Acetic Acid Crystal	Green	Green	Green	Green	Green	Green	Green
Oleic Acid	Green	Green	Green	Green	Green	Green	Green
Sulphuric Acid 33%	Green	Green	Green	Green	Green	Green	Green
Sulphuric Acid 60%	Green	Green	Green	Green	Green	Green	Green
Sulphuric Acid 96%	Red	Yellow	Yellow	Green	Yellow	Green	Green

CHEMICAL	EPOXY RESIN	POLIESTER RESIN	ENGINEERING STONE	PHENOLIC RESIN (1)	LAMINATE	PHENOLIC RESIN (2)	KERAPLAN CERAMIC
Potassium Permanganate							
Kerosene							
Butyl Acetate							
Ethyl Acetate							
Aniline Oil							
Cotton Oil							
Mineral Oil							
Transformer Oil							
Olive Oil							
Acridine Orange							
Sodium Hypochlorite 5%							
Soap Solution 1%							
Safranine							
Copper Sulfate							
Sudan III							
Turpentine							
Tetrahydrofuran							
Trichloroethylene							
Chromium Oxide							
Toluene							
Sodium Carbonate 2%							
Sodium Carbonate 20%							
Distilled Water							
Boiled Water (5 min.)							
Hydrogen Peroxide Sol. 3%							
Hydrogen Peroxide Sol. 20%							
Ammonia Liquor 28%							
Sodium Hydroxide 10%							
Sodium Hydroxide 50%							
Malachite Green							

(1) Standard Fenolic Resin – (2) High quality Fenolic Resin

	No Effects
	Slight Spot
	Spot

Notes:

All the results shown in the chart up here are purely indicative and the chemical results indicated have not been realized by KERAPLAN, but by an outer company.

The main certificates and tests can be directly downloaded from our website www.keraplan.com in the Customer Area.

For further information or clarifications about this chart, please get in touch with our technical department – technical@keraplan.com.