

# EPO-ROK® QUARTZ FLOORING

## CHEMICAL RESISTANCE GUIDE

The following Chemical Resistance Guide will aid in determining the effect of various chemicals to Federal's **EPO-ROK® QUARTZ TOPCOAT**. Results are based on a 24 hour spot test under a watch glass sealed with paraffin wax @ 77 °F. The product tested was mixed and applied to a panel primed with Federal's PR-14 WB Kwik Prime in accordance to Federal's standard specifications. The coating was allowed to cure for a minimum of 7 days @ 77 °F prior to testing. A rating system for this guide is as follows:

### RATINGSKEY

E - Excellent	NR - Not Recommended
G - Good	OS - Occasional Spillage
F - Fair	S - Stain

### ORGANIC ACIDS

REAGENT	CONC.	RATING
Acetic	5%	E
Acetic	10%	E
Acetic	20%	G
Acetic	Glacial	F
Butyric	10%	G
Citric	10%	E
Citric	50%	E
Cresylic	10%	OS
Formic	10%	F-S
Lactic	10%	E
Lactic	25%	G-S
Maleic	30%	G
Maleic	60%	F
Malic	50%	F
Monochloro Acetic	5%	G
Monochloro Acetic	10%	G-S
Oleic	Sat.	G
Oxalic	Sat.	G
Picric	Sat.	F

### INORGANIC ACIDS

REAGENT	CONC.	RATING
Boric	30%	E
Boric	Sat.	E
Chromic Acid	2%	E-S
Chromic Acid	10%	G-S
Chromic Acid	15%	G-S
Hydrochloric	10%	E
Hydrochloric	37%	G
Hydrochloric	Conc.	G
Hydrofluoric	10%	F-S
Hydrofluoric	24%	F-S
Hypochlorous	5%	E
Nitric	10%	E
Nitric	30%	G
Nitric	Over 40%	G
Nitric	Conc.	NR
Perchloric	35%	E
Phosphoric	10%	E

### INORGANIC ACIDS (CONT'D)

REAGENT	CONC.	RATING
Phosphoric	35%	E
Phosphoric	75%	E
Sulfuric	25%	G-S
Sulfuric	50%	F-S
Sulfuric	70%	NR
Sulfuric	Conc.	NR

### KETONES - ESTERS

REAGENT	CONC.	RATING
Acetone	100%	F
Amyl Acetate	100%	E
Butyl Acetate	100%	G
Ethyl Acetate	100%	G
Methyl Ethyl Ketone	100%	F
Methyl Isobutyl Ketone	100%	NR
PM Acetate	100%	E

### ALKALIES AND SALTS

REAGENT	CONC.	RATING
Aluminum Chloride	50%	E
Ammonium Chloride	50%	E
Ammonium Hydroxide	10%	E
Ammonium Hydroxide	20%	E
Ammonium Hydroxide	50%	E
Ammonium Nitrate	Sat.	E
Ammonium Persulfate	Sat.	E
Ammonium Sulfate	Sat.	E
Calcium Chloride	50%	E
Calcium Hydroxide	Sat.	E
Calcium Hypochlorite	15%	G
Ferric Chloride	Sat.	G
Ferric Sulfate	Sat.	G
Potassium Hydroxide	40%	E
Sodium Bicarbonate	Sat.	E
Sodium Bisulfate	Sat.	G
Sodium Carbonate	Sat.	E

ALKALIES AND SALTS (CONT'D)		
REAGENT	CONC.	RATING
Sodium Chloride	20%	E
Sodium Hydroxide	10%	E
Sodium Hydroxide	50%	E
Sodium Hypochlorite	10%	E
Sodium Sulfate	Sat.	G
Sodium Sulfide	Sat.	G
Trisodium Phosphate	10%	E
Trisodium Phosphate	Sat.	E
SOLVENTS - ALIPHATIC		
REAGENT	CONC.	RATING
Gasoline	100%	G
Hexane	100%	E
Jet Fuel A-1	100%	E
Mineral Spirits	100%	E
Naphtha	100%	E
SOLVENTS - AROMATIC		
REAGENT	CONC.	RATING
Benzene	100%	E
Chlorobenzene	100%	F
SC-100	100%	E
Toluene	100%	E
Xylene	100%	F
SOLVENTS - CHLORINATED		
REAGENT	CONC.	RATING
Methylene Chloride	100%	F
Perchloroethane	100%	E
1,1,1, Trichloroethane	100%	E
Trichloroethylene	100%	G
AUTO-BRAKE - HYDRAULIC FLUIDS		
REAGENT	CONC.	RATING
Brake Fluid	100%	G
Hy-Jet Fuel #3	100%	E
Motor Oil	100%	E
Skydrol 500A	100%	G
Skydrol 500B	100%	G
Transmission Fluid	100%	E

ALCOHOLS		
REAGENT	CONC.	RATING
Diacetone Alcohol	100%	F
Ethyl Alcohol	100%	G-S
Ethylene Glycol	100%	E
Glycerine	100%	E
Isopropyl Alcohol	100%	E
Methyl Alcohol	100%	F
Phenol	5%	NR
Triethylene Glycol	100%	E
MISCELLANEOUS CHEMICALS		
REAGENT	CONC.	RATING
Acrylonitrile	100%	OS
Aniline	100%	NR
Beer	100%	E
Bromine	100%	NR
Butyl Lactate	100%	F
Carbon Disulfide	100%	E
Carbon Tetrachloride	100%	F
Chloroform	100%	G
Cola	100%	E
Corn Oil	100%	E
Cyclohexane	100%	G
Cyclohexanone	100%	E
Diethyl Phthalate	100%	G
Dimethyl Phthalate	100%	G
Ethylene Dichloride	100%	F
Formaldehyde	100%	E
Fruit Juice	100%	E
Grease	100%	E
Hydrogen Peroxide	10%	E
Ketchup	100%	E
Lanoline	100%	E
Lard	100%	E
Linseed Oil	100%	E
Mayonnaise	100%	E
Methyl Salicylate	50% in Toluene	NR
Milk	100%	E
Mustard	100%	E-S
2-Nitro-Propane	100%	E
Pyridine	100%	NR
Sugar	Sat.	E
Tannic Acid	Sat.	E
Tartaric Acid	Sat.	E
Tide Solution	2%	E
Triacetin	100%	E
Triethanolamine	100%	E
Turpentine	100%	E
Water	100%	E
Wine	100%	E

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