

**ITW PHILADELPHIA RESINS  
IMPAX 5020AR ACID RESISTANT  
TROWELABLE FLOOR RESURFACER  
CHEMICAL RESISTANCE CHART**

**Technical Bulletin # 679D**

Acetic Acid, 0-25%	R	Calcium Chlorate	S	Formic Acid, 25%	R
Acetic Acid, 30-50%	S	Calcium Chloride, <50%	R	Fumaric Acid, all	R
Acetic Acid, glacial	NR	Calcium Hypochloride, 0-20%	S	Furfural	R
Acetic Anhydride	NR	Calcium Nitrate, saturated	R	Furfuryl Alcohol	S*
Acetone	NR	Calcium Sulfate	R		
Acetylene	R	Carbon Dioxide	R	Gallic Acid	R
Adipic Acid, all	R	Carbon Disulfide	R	Gasoline	S*
Alcohols, below	R	Carbon Monoxide	R	Glycerine	
cyclohexanol	R	Carbon Tetrachloride	S	R	
iso-Amyl alcohol	R	Caustic	R	Glycol	R
iso-Butanol	R	Chlorinated Lime	R	Glycol Acetate	R
iso-octanol	R	Chlorine, dry	R	Glycolic Acid	NR
iso-propanol	R	Chlorine, wet - 5,000 ppm	R		
n-Butanol	R	Chlorine Water	R	Heptane	R
n-Decanol	R	Chloroacetic Acid, 100%	NR	Hexachlorocyclopentadiene	NR
n-Heptanol	R	Chloroacetic, 10%	R	Hexane	R
n-Hexanol	R	Chloroform	NR	Household Ammonia	R
n-Nonanol	R	Chloronaphthalin	S*	Hydrobromic Acid, all	R
n-Octanol	R	Chloronitrobenzene	S to R	Hydrochloric Acid, <10%	R
Sec-Butanol	R	Chromic Acid, <5%	R	Hydrochloric Acid, 10-35%	S*
Tert-Butanol	R	Chromic Acid, 5%	R	Hydrofluoboric Acid	R
2-Ethylhexanol	R	Citric Acid, <5%	R	Hydrofluoric Acid, <10%	S
Allyl Chloride	S	Citric Acid, 5-40%	R	Hydrofluoric Acid, 10-20%	S
Aluminum Chloride, <50%	R	Coolant Brines	R	Hydrofluoric Acid, 20-70%	NR
Aluminum Sulfate, sat. so	R	Copper Acetate, saturated	R	Hydrogen Sulfide	R
Amidosulfonic Acid	R	Copper Chloride Nitrate	R	Hydroquinone	R
Ammonia, 10% aqueous	R	Copper Chloride Sulfate	R	Hypochlorous Acid	S
Ammonia, 30% aqueous	R	Cottage Cheese	R	Iron Sulfate, saturated	R
Ammonia, anhydrous	R	Cottonseed Oi	R	Isoprene	R
Ammonium Chloride	R	Cresols	NR		
Ammonium Carbonate	R	Crude Oil	R	Jet Fuel	R
Ammonium Hydroxide, 30%	R	Cyclohexane	R		
Ammonium Nitrate, <50%	R	Cyclohexanone	S	Kerosene	R
Ammonium Nitrate, 50%	R				
Ammonium Persulfate, 50%	R	Deionized Water	R	Lactic Acid, less than 20%	R
Ammonium Phosphate	R	Detergents (all)	R		
Ammonium Sulfate, 50%	R	Dichloroethylene	NR	Magnesium Bisulfite	R
Ammonium Sulfide solution	R	Diesel Fuel	R	Magnesium Chloride, sat	R
Amyl Acetate	R	Diethanolamine	S	Magnesium Sulfate, sat	R
Aniline	NR	Diethylene Glycol	R	Maleic Acid, <40% R	
Antifreeze	R	Dimethylamine Ethanol	R	Maleic Anhydride	R
Aqua Regia	NR	Dimethyl Formamide	NR	Mercuric Chloride, sat	NR
		Diethylphthalate	R	Mercury	R
Barium Chloride, sat.	R	Diphenyl	R	Methyl Acetate	S*
Beer	R	Diphenyl Oxide	R	Methyl Alcohol	NR
Benzaldehyde	NR	Dipropylene glycol	R	Methyl Amine, 40%	NR
Benzene	NR			Methyl Cellosolve	R
Benzenesulfonic Acid	NR	Ether	R	Methyl Chloride	NR
Benzoic Acid	R	Ethyl Acetate	S*	Methylcyclohexanol	R
Benzoic-Alcohol mixture	S*	Ethyl Alcohol	S*	Methyl Ethyl Ketone	NR
Benzoyl Chloride	R	Ethylamine, 40% anhy. sol.	S	Methyl Napthalene	
Black Liquo	R	Ethyl Bromide	NR	R	
Bleach	NR	Ethyl Chloride	NR	Methylene Chloride	NR
Bleaching Liquors, conc	NR	Ethylene Dichloride	NR	Milk	R
Boric Acid, All	R	Ethylene Glycol	R	Milk of Lime	R
Brine	R			Mineral Oil	R
Bromine	NR	Fatty Acids	R	Motor Oil	R
Butozyl	NR	Ferric Chloride, <50%	R	Muriatic Acid	S*
Butyl Acetate	R	Ferric Chloride, anhydrous	R		
Butyl Alcohol	S*	Ferric Nitrate	R	Naphtha, Petroleum	R
Butyl Benzylphthalate	R	Ferric Sulfate	R	Naphthalin	R
Butyric Acid	S	Fluorine, <50%	NR	Nickel Chloride Nitrate	R
		Fluosilicic Acid, 30%	R	Nickel Chloride Sulfate	R
Calcium Bisulfite liquor	R	Formaldehyde, <37%	R	Nitric Acid, >25%	NR

Nitric Acid, 0-20% conc.	R	R		JUST SPLASH AND SPILLAGE.
Nitrobenzene	NR	Sodium Hypo., <2% C12	R	MATERIAL IS AFFECTED BY
Nitrosylsulfuric Acid	NR	Sodium Nitrate	R	PROLONGED IMMERSIONS
Nitropropane	R	Sodium Peroxide, 5%	R	BUT NOT DESTROYED.
		Sodium Sulfate	R	
Oils, saponifiable	R	Sodium Sulfide	R	NR = NOT RECOMMENDED
Oleic Acid, all	R	Stannic Chloride	R	
Oleum	NR	Stearic Acid, all	R	
Oxalic Acid, all	R	Sugar, saturated solution	R	
Oxygen	R	Sulfur Chloride	NR	
		Sulfur Dioxide	R	
p-dimethylamino-		Surfuralic Acid, <10%	R	
benzophenone	R	Sulfuric Acid, 10-20%	R	
Paraffin	R	Sulfuric Acid, 20-40%	R	
Perchloric Acid, all DO NOT USE		Sulfuric Acid, 40-50%	R	
Perchloroethylene	NR	Sulfuric Acid, 50-60%	R	
Petargonia Acid, all R		Sulfuric Acid, 60-70%	R	
Petroleum	R	Sulfuric Acid, 70-98%	R	
Phenol, 90%	S	Sulfurous Acid, <10%	R	
Phosgene	R	Sulfur Monochloride	R	
Phosphoric Acid, <2%	R	Sulfuryl Chloride	R	
Phosphoric Acid, 2-5%	R			
Phosphoric Acid, 5-50%	R	Tannin	R	
Phosphoric Acid, 50-65%	S*	Tar	R	
Phosphorus Chlorides	S	Tar Oils	R	
Phthalicanhydride	R	Tartaric Acid, cold set	R	
Picric Acid, 5%	R	Tetrachloroethane	NR	
Picric Acid, 50%	S	Tetrachloromethane	NR	
Potassium Bromide, sat	R	Tetrahydrofuran	NR	
Potassium Carbonate, sat	R	Toluene	R	
Potassium Chlorate, 50%	R	Toluenesulfonic Acid	R	
Potassium Chloride R		Town Gas	R	
Potassium Nitrate	R	Trichloroacetic Acid	S	
Potassium Sulfate	R	Triethanolamine	R	
Potassium Cyanide, sat	R	Trisodium Phosphate, all	R	
Potassium Ferricyanide, sat	R	Tung Oil	R	
Potassium Hydroxide, <25%	R	Turpentine	R	
Potassium Hydroxide, 25-50%	R			
Potassium Nitrate, sat	R	Urea, 20%	R	
Potassium Permanganate, <5%	R	Urine	R	
Potassium Peroxide, 5%	R	Vegetable Oil	R	
Potassium Persulfate, sat	R	Vinegar	R	
Potassium Sulfate, sat	R			
Potassium Sulfide	R	Water, fresh	R	
Prussic Acid	S	Water, distilled	R	
Pulp Mill Liquors	R			
Pyridine	R	Xylene	R	
Quinoline Sulfate	R	Zinc Chloride, 50% R		
Saccharin Solutions R				
Salicylic Acid	R			
Salt, saturated solution	R			
Skydrol 600B	R			
Sodium Acetate, saturated	R			
Sodium Bicarbonate	R			
Sodium Bichromate R				
Sodium Carbonate	R			
Sodium Chlorate	R			
Sodium Chloride	R			
Sodium Hydroxide, <25%	R			
Sodium Hydroxide, 25-50%	R			
Sodium Hypo, 50ppm C12	R			
Sodium Hypo, 5000ppm C12				

**CODE:**

R = RESISTANT TO  
IMMERSION OR PROLONGED  
CONTACT

S = SPLASH AND SPILLAGE

S\* = RESISTANCE TO  
MATERIAL IS GREATER THAN