Master Stop Tiles
Chemical Resistance

Reagent	Temperature 72°F	140°F
Acetaldehyde	NR	NR
Acetic Acid, pure	NR	NR
Acetic Acid, 10%	R	R
Acetic Acid, 20%, Type I	R	R
Type II	R	NR
Acetic Acid, 80%, Type I Grade 1	R	R
Type II Grade 2	R	NR
Acetic Acid, Glacial Type I	R	NR
Type II	NR	NR
Acetic Anhydride	NR	NR
Acetone	NR	NR
Acetly Nitrile	NR	NR
Acetylene	R	R
Acrylic Acid Ethyl Ester	NR	NR
Adipic Acid	R	R
Alcohols, Methyl	R	R
Butyl	R	NR
Propyl	R	R
Allyl Alcohol, 96%, Type I	R	NR
Type II	NR	NR
Allyl Chloride	NR	NR
Alum	R	R
Alum, Chrome	R	R
Alum, Potassium	R	R
Aluminum Alum	R	R
Aluminum Chloride	R	R
Aluminum Fluroride	R	R
Aluminum Hydroxide	R	R
Aluminum Oxylchloride	R	R
Aluminum Nitrate	R	R
Aluminum Sulfate	R	R
Ammonia (Gas-dry)	R	R
Ammonia (Liquid)	NR	NR
Ammonium Acetate	R	R
Ammonium Alum	R	R
Ammonium Bifluoride	R	R
Ammonium Bisulfate Type I	R	R
Ammonium Carbonate	R	R
Ammonium Chloride	R	R
Ammonium Dichromate	R	R
Ammonium Flouride, 25% Type I	R	NR
Type II	NR	NR
Ammonium Hydroxide	R	R
Ammonium Hydroxide, 10%	R	R
Ammonium Hydroxide, 28%	R	R
Ammonium Metaphosphate	R	R
Ammonium Nitrate	R	R
Ammonium Persulfate	R	R

Reagent	Temperature 72°F	140°F
Ammonium Phosphate	R	R
Ammonium Sulfate	R	R
Ammonium Sulfide	R	R
Ammonium Thiccyanate Sulfide	R	R
Amyl Acetate	NR	NR
Amyl Alcohol Type I	R	NR
Type II	NR	NR
Amyl Chloride	NR	NR
Aninline	NR	NR
Aniline Chlorohydrate	NR	NR
Aninline Hydrochloride	NR	NR
Anthraquinone Type II	R	NR
Anthraquinonesulfonic Acid	R	R
Antimony Trichloride	R	R
Aqua Regia	NR	NR
Aromatic Hydrocarbons	NR	NR
Arsenic Acid 80%	R	R
Aresnic Troxide (Powder)	R	**
Arylsufonic Acid, Type I	R	R
Type II	R	NR
Barium Nitrate	R	**
Barium Carbonate	R	R
Barium Chloride	R	R
Barium Hydroxide (10%)	R	R
Barium Sulfate	R	R
Barium Sulfide	R	R
Beer	R	R
Beet Sugar Liquors	R	R
Benzaldehyde, 10% Type I	R	NR
Type II	NR	NR
Benzaldehyde, above 10%	NR	NR
Benzaldkonium Chloride	R	**
Benzene	NR	NR
Benzoic Acid	R	R
Bismuth Carbonate	R	R
Black Liquor	R	R
Bleach (12%Cl)	R	R
Boarax	R	R
Boric Acid	R	R
Breeder Pellets (Fish driv.)	R	R
Brine (Acid)	R	**
Bromic Acid	R	R
Bromine, Liquid	NR	NR
Bromine, Vapor (25%)	R	R
Bromine Water, Type I	R	R
Type II	NR	NR
Bromobenzene	NR	NR
Bromotoluene	NR	NR

R - Recommended
NR - Not Recommended

** - Lack of specific recommendations

Sure-Foot Industries Corp. 20260 First Ave. Cleveland, OH 44130
440/234-4446 * 800-522-6566 * FAX 440/234-9098

Reagent	Temperature 72°F	140°F
Butadiene, Type I	R	R
Type II	NR	NR
Butane, Type I	R	R
Type II	NR	NR
Butanol, Primary, Type I	R	R
Type II	NR	R
Butanol, Secondary, Type I	R	NR
Type II	NR	NR
Butyl Acetate, Type I	R	NR
Type II	NR	NR
Butyl Alcohol, Type I	R	R
Type II	R	NR
Butyl Cellosolve	R	NR
Butyl Mercaptan, Type II	NR	NR
Butyl Phenol	R	NR
Butyl Stearate	R	NR
Butynedoil, Type I	RN	NR
Type II	R	NR
Butyric Acid, Type I	NR	NR
Type	R	NR
Cadmium Cyanide	R	R
Caffeine Citrate (Sat.)	R	**
CalcuimBisuflide	R	R
Calcium Bisulfite	R	R
CalcuimBisuflite Bleach Liquid	R	**
Calcium Carbonate	R	R
Calcium Chlorate	R	R
Calcium Chloride	R	R
Calcium Hydroxide	R	R
Copper Hypochlorite	R	R
Calcium Nitrate	R	R
Calcuim Oxide, Type I	R	R
Calcium Sulfate	R	R
Camphor (Crystals)	R	**
Cane Sugar Liquors	R	R
Carbitol	R	**
Carbon Dioxide	R	R
Carbon Dioxide-Aqueous Solution	R	R
Carbon Disulfide	NR	NR
Carbon Monoxide	R	R
Carbon Tetrachloride, Type I	R	NR
Type II	NR	NR
Carbonic Acid	R	R
Castor Oil	R	R
Caustic Potash	R	R
Cellosolve	R	NR
Cellosolve Acetate	R	**
Chloracetic Acid, Type I	R	R

Reagent	Temperature 72°F	140°F
Type II	R	NR
Chloral Hydrate	R	R
Chloramine	R	**
Chloric Acid, 20%	R	R
Chloride (Water)	R	R
Chlorinated Solvents	NR	**
Chlorine (Dry-liquid)	NR	NR
Chlorine (L:iquid) (under pressure)	NR	**
Chloinre Gas (dry)	NR	NR
Chlorine Gas (Wet)	NR	NR
Chlorine Water	R	R
Chloroacetic Acid	R	NR
Chloroacetyl Chloride	R	**
Chlorobenzene	NR	NR
Chloroform	NR	NR
Chloropicin	NR	**
Chlorosulfonic Acid	R	NR
Chlorox Bleach Solution	R	**
Chrome Alum	RN	R
Chromic Acind, 10%	R	R
Chromic Acid 50%	NR	NR
Chromic.Nitric Acid, Type I	R	R
15% - 35% Type II	NR	NR
Chromic/Sulfuric/Water, 50/15/35, Type I	R	NR
Citric Acid	R	R
Coconut Oil Alcohol, Type I	R	R
Copper Carbonate	R	R
Copper Chloride	R	R
Copper Cyanide	R	R
Copper Fluoride	R	R
Copper Nitrate	R	R
Sopper Sulfate	R	R
Cottenseed Oil	R	R
Cresol, Type I	NR	NR
Type II	NR	NR
Cresylic Acid, 50%, Type I	R	R
Type II	R	NR
Crotonaldehyde	NR	R
Crude Oil, Type I	R	R
Type II	R	R
Cupric Fluoride	R	R
Cupric Sulfate	R	R
Cuprous Chloride	R	R
Cycloanones, Type I	R	R
Cyclohexane	NR	NR
Cyclohexanol	NR	NR
Cyclohexanone	NR	NR

R - Recommended
NR - Not Recommended

** - Lack of specific recommendations

Reagent	Temperature 72°F	140°F
D.D.T. (Xylene Base)	NR	NR
Desocyephedrine Hydrochloride	R	**
Detergents	R	R
Dextrin	R	R
Dextrose	R	R
Diacetone Alcohol	R	**
Diazo Salts	R	R
Dibutoxy Ethyl Phthalate	NR	NR
Dibutyl Sebacate	NR	NR
Dichlorobenzene	R	NR
Diesel Fuels	NR	NR
Diethyl Ether	R	R
Diglycolic Acid	R	R
Dimethyl Hydrazine	R	NR
Dimethylamine, Type I	NR	R
Type II	R	NR
Dioctylphthalate	NR	NR
1,4 - Dioxane	NR	NR
Disodium Phosphate	NR	R
Distilled Water	R	R
Epson Salts	R	NR
Esters	R	NR
Ethers	NR	NR
Acetate	NR	NR
Aethyl Acrylate	NR	NR
Ethyl Alcohol Type I	NR	R
Type II	R	NR
Ethyl Chloride	R	NR
Ethyl Chloroacetate	NR	NR
Ethyl Ether	NR	NR
Ethylene Bromide	NR	NR
Ethylene Chlorohydrin	NR	NR
Ethylene Dichloride	NR	NR
Ethylene Glycol	NR	R
Ethylene Oxide	NR	NR
Fatty Acids	R	R
Ferric Acetate	R	NR
Ferric Chloride	R	R
Ferric Hydroxide	R	R
Ferric Nitrate	R	R
Ferric Sulfate	R	R
Ferrous Chloride	R	R
Ferrous Hydroxide	R	**
Ferrous Nitrate	R	**
Ferrous Sulfate	R	R
Fish Solubles	R	R
Fluoroboric Acid	R	R
Fluorine Gas (Wet)	R	NR

Reagent	Temperature 72°F	140°F
Fluorine Gass, Type I	R	NR
Type	NR	NR
Fluorosilic Acid, 25%	R	R
Formaldehyde, Type I	R	R
Type II	NR	NR
Formic Acid	R	NR
Fructose	R	R
Fruit Juices and Pulp	R	R
Furfural	NR	NR
Freon II, Type I	R	R
Type II	NR	NR
Freon 12	R	R
Freon 21	NR	NR
Freon 22	NR	NR
Freon 113	R	**
Freon 114	R	**
Carene 500, Type I	R	**
Type II	NR	**
Gallic Acid	R	R
Gas (Coke Oven)	NR	NR
Glucose	R	R
Glycerine	R	R
Glycol	R	R
Glycolic Acid	R	R
Grapesugar	R	R
Grren Liquor	R	R
Heptane, Type I	R	R
Type II	R	NR
Hercolyn	R	**
Hexane, Type I	R	NR
Type II	NR	NR
Hexanol, Tertiary, Type I	R	R
Type II	R	NR
Hydrobromic Acid, 20%	R	R
Hydrochloric Acid, 10%	R	R
Hydrochloric Acid, 30%	R	R
Hydrochloric Acid, Type I Grade 1	R	R
Type II, Grade 2	R	NR
Type II	R	NR
Hydrochloric Acid Pickling	R	R
Hydrocyanic Acid	R	R
Hydrofluoric Acid, 48%	R	NR
50% Type I	R	NR
Type II	NR	NR
Hydrofluoric Acid, 70%	NR	NR
Hydrofluorsilicic Acid	R	R
Hydrogen	R	R
Hydrogen Peroxide, 30%	R	R

R - Recommended
NR - Not Recommended

** - Lack of specific recommendations

Reagent	Temperature 72°F	140°F
Hydrogen Peroxide, 50%	R	R
Hydrogen Peroxide, 90%	R	R
Hydrogen Peroxide, Type I	R	R
Type II	NR	NR
Hydrogen Sulfide	R	R
Hydroquinone	R	R
Hydroxylamine Sulfate	R	R
Hypochlorine Acid	R	R
Hypochlorite	R	**
Hypochlorous Acid	R	R
Hydrazine (Anhydrous) 97%	NR	NR
Iodine	NR	NR
Iodine Solution (10%)	NR	NR
Kerosene	R	R
Ketone	NR	NR
Kraft Liquors	R	R
Latic Acid, 25%	R	R
Latic Acid, 80%	R	**
Lard Oil	R	R
Laruric Acid	R	R
Lauryl Chloride, Type I	R	**
Type II	R	NR
Lead Acetate	R	R
Lead Chloride	R	R
Lead Nitrate	R	R
Lead Sulfate	R	R
Linoleic Acid	R	R
Linoeic Oil, Type I	R	R
Type II	R	NR
Linseed Oil	R	R
Liquors, Type I	R	R
Type II	NR	NR
Lithium Bromide	R	R
Lubricating Oil, ASTM #1	R	R
ASTM #2	R	R
ASTM #3, Type I	R	R
Type II	R	NR
Lux Liquid	R	NR
Machine Oil	R	R
Magseium Carbonate	R	R
Magnesium Chloride	R	R
Magnesuim Citrate, Type I	R	R
Magnesium Hydroxide	R	R
Magnesium Nitrate	R	R
Magnesuim Sulfate	R	R
Magensium (Sat.)	R	R
Magnesium Sulfacte (10%)	R	R
Magnesium Sulfate (20%)	R	R

Reagent	Temperature 72°F	140°F
Maleic Acid	R	R
Lmalic Acid	R	R
Manufactured Gas	R	R
Mercural Ointment, Blue (5%)	R	**
Mercuric Chloride	R	R
Mercuric Cyanide	R	R
Mercurous Mitrate	R	R
Mercury	R	R
Mercury Ointment (Ammoniated)	R	**
Methylene Chlorobromide	NR	NR
Methoxyethyl Oleate	R	**
Methyl Alcohol	R	R
Methyl Cellosolve	NR	NR
Methyl Chloride	NR	NR
Methyl Ethyl Ketone	NR	NR
Methyl Iso-Butyl Ketone	NR	NR
Methyl Methacrylate	R	**
Methyl Salicylate	R	**
Methyl Sulfate	R	**
Methyl Sulfuric Acid	R	NR
Methylamine	NR	NR
Methylene Bromide	NR	NR
Methylene Chloride	NR	NR
Methylene Iodine	NR	NR
Milk	R	R
Mineral Oils	R	R
Mixed Acids	R	R
Molasses	R	R
Muriatic Acid	R	R
Naptha, Type I	R	R
Type II	R	NR
Naphthalene	NR	NR
Natural Gas	R	R
Nickel Acetate	R	**
Nickel Chloride	R	R
Nickel Nitrate	R	R
Nickel Sulfate	R	R
Nicotine	R	R
Nicotine Acid	R	R
Nitric Acid 84% + Sulfuric Acid 16%	R	**
Nitric Acid, Anhydrous	B	NR
Nitric Acid, 10%, Type I	R	R
Type II	R	NR
Nitric Acid, 30%, Type I	R	R
Type II	R	NR
Nitric Acid, 60%, Type I	R	R
Type II	R	NR

R - Recommended
NR - Not Recommended

** - Lack of specific recommendations

Reagent	Temperature 72°F	140°F
Nitric Acid, 68%, Type I	R	NR
Type II	NR	NR
Nitrobenzene	NR	NR
Nitroglycerine	NR	NR
Nitrous Oxide	R	NR
Oils and Fats	R	NR
Oils, Sour Crude	R	R
Oleic Acid	R	R
Oleum	R	R
Oxalic Acid	NR	NR
Oxygene	R	R
Ozone	R	R
Palmitic Acid, 10%	R	R
Palmitic Acid, 70%, Type I	NR	R
Type II	**	NR
Paraffin, Type	R	R
Peracetic Acid, 40%, Type I	R	NR
Type II	NR	NR
Perchloric Acid, 10%	R	R
Perchloric Acid, 15% Type I	R	NR
Type II	NR	NR
Perchloric Acid, 70% Type I	R	NR
Type II	NR	NR
Perphosphate	R	R
Petroleum Liquifier	R	NR
Petroleum Oils (Sour)	R	NR
Phenol	NR	NR
Phenylhydrazine	NR	NR
Phenylhydrazine Hydrochloride	NR	NR
Phosgene, Liquid	NR	**
Phosgene, Gas, Type I	R	R
Type II	R	R
Phosphoric Acid, 10%	R	R
Phosphoric Acid, 25%	R	R
Phosphoric Acid, 50%	R	R
Phosphoric Acid, 75%	R	R
Phosphoric Acid, 85%	R	R
Phophorous (Yellow) Type I	R	NR
Type II	R	NR
Phosphorous Pentoxide, Type I	R	NR
Type II	R	NR
Phosphorous Trichloride	NR	NR
Photographic Solutions:		
DK #3	R	R
Dektal Developer	R	R
Kodak Fixer	R	R
Kodak Short Stop	R	R
Picric Acid	NR	NR

Reagent	Temperature 72°F	140°F
Potash (Sat. Aq.) Type I	R	R
Potassium Alum	R	R
Potassium Amyl Xanthatem Type I	R	NR
Type II	NR	NR
Potassium Bisulfate	R	R
Potassium Borate	R	R
Potassium Bromate	R	R
Potassium Bromide	R	R
Potassium Carbonate	R	R
Potassium Chromate	R	R
Potassium Chlorate	R	R
Potassiium Cyanide	R	R
Potassium Dichlromate	R	R
Potassium Ethyl Xanthate, Type I	R	NR
Type II	NR	NR
Potassium Ferricyanide	R	R
Potassium Ferrocyanide	R	R
Potassium Fluoride	R	R
Potassium Hydroxode	R	R
Potassium Nitrate	R	R
Potassium Perborate	R	R
Potassium Perchlorate	R	R
Potassium Permanganate, 10%	R	R
Type I, 25%	R	NR
Type II	R	@ 125°
Potassium Persulfate	R	R
Potassium Sulfate	R	R
Propane	R	R
Propane Gas	R	R
Porpargyl Alcohol, Type I	R	R
Type II	R	NR
Propyl Alcohol, Type I	R	R
Type II	R	NR
Propylene Dichloride	NR	NR
Plating Solutions:		
Brass	R	R
Cadmium	R	R
Copper	R	R
Gold	R	R
Indium	R	R
Lead	R	R
Nickel	R	R
Rhodium	R	R
Silver	R	R
Tin	R	R
Zinc	R	R
Pyeidine, Type I	NR	NR
Pyrogallic Acid	R	NR

R - Recommended
NR - Not Recommended

** - Lack of specific recommendations

Reagent	Temperature 72°F	140°F
Propylene Oxide	NR	NR
Rayon Coagulating Bath	R	R
Refinery Crudes	R	R
Rochelle Salts, Type 1	R	R
Salicylic Acid	R	R
Sanitizer	NR	R
Sea Water	R	R
Selenic Acid	R	R
Sewage	R	R
Silicic Acid	R	R
Silver Cyanide	R	R
Silver Nitrate	R	R
Silver Plating Solution	R	R
Silver Sulfate	R	R
Soaps	R	R
Sodium Acetate	R	R
Sodium Alum	R	R
Sodium Benzoate	R	R
Sodium Bicabonate	R	R
Sodium Birchromate	R	R
Sodium Bisulfate	R	R
Sodium Bosulfite	R	R
Sodium Bromide	R	R
Sodium Carbonate	R	R
Sodium Chlorate	R	R
Sodium Chloride	R	R
Sodium Chlorite	NR	NR
Sodium Cyanide	R	R
Sodium Dichrmate	R	R
Sodium Ferricyanide	R	R
Sodium Ferrocyanide	R	R
Sodium Fluride	R	R
Sodium Hydroxide, 10%	R	R
Sodium Hydroxide, 30%	R	R
Sodium Hydroxide, 50%	R	R
Sodium Hypochlorite	R	R
Sodium Nitrate	R	R
Sodium Nitrite	R	R
Sodium Peroxide, 8750	R	R
Sodium Percholorate	R	R
Sodium Sulfate	R	R
Sodium Sulfide	R	R
Sodium Sulfite	R	R
Sodium Thiosulfate	R	R
Sour Crude Oil (West Texas)	R	R
Stannic Chloride	R	R
Stannous Chloride	R	R
Starch	R	R

Reagent	Temperature 72°F	140°F
Stearic Acid	R	R
Stoddards Solvent	NR	NR
Succinic Acid	R	R
Sulfite Liqour	R	R
Sulfur	R	R
Sulfur Dioxide, (Dry)	R	R
Sulfur Dioxide, (Wet), Type I	R	NR
Type II	NR	NR
Sulfur Trioxide	R	R
Sulfuric Acid, 3%	R	R
Sulfuric Acid, 10%	R	R
Sulfuric Acid, 20$	R	R
Sulfuric Acid, 33%	R	R
Sulfuric Acid, 50%	R	R
Sulfuric Acid, 70%	R	R
Sulfuric Acid, 80%	R	R
Sulfuric Acid, 3%, Type I	R	R
Type II	NR	NR
Sulfuric Acid, 85%, Type I	R	R
Type II	NR	NR
Sulfuric Acid, 90%, Type I, Grade1	R	NR
Type I, Grade 2	NR	NR
Type II	NR	NR
Sulfuric Acid, 95%, Type I, Grade1	R	NR
Type I, Grade 2	NR	NR
Type II	NR	NR
Sulfuric Acid Pickling	R	R
Sulfuric/Nitric (50/50) (69%/68%)	NR	NR
Sulfurous Acid	R	R
Tall Oil	R	R
Tannic Acid	R	R
Tanning Liqours	R	R
Tartaric Acid	R	R
Tetra Sodium, Pyophosphate	R	R
Tetraethyl Lead, Type I	R	**
Type II	R	**
Tetrahydrodurane	NR	NR
Thionyl Chloride	NR	NR
Thread Cutting Oil	R	**
Tripineol	R	**
Titanium Tetrachloride	R	NR
Toluol or Toluene	NR	NR
Transformer Oil	R	R
Tributyl Phosphate	NR	NR
Tributyl Citrate	R	**
Trichloroacetic Acid	R	**
Trichloroethylene	NR	NR

R - Recommended
NR - Not Recommended

** - Lack of specific recommendations

Reagent	Temperature 72°F	140°F
Triethanolamine	R	NR
Trilone	NR	NR
Trimethyl Propane, Type I	R	R
Type II	R	NR
Trisodium Phosphate	R	R
Turpentine, Type I	R	R
Type II	NR	NR
Trimethylamine, Type I	R	NR
Type II	NR	NR
Urea	R	R
Urine	R	R
Vaseline	NR	NR
Vegetable Oil	R	**
Vinegar	R	R
Vinyl Acetate	NR	NR
Water Acid Mine	R	R
Water Deionized	R	R
Water Demineralized	R	R
Water Distilled, Water Fresh	R	R
Water, Salt	R	R
Whiskey	R	R
White Liqour	R	R
Wines	R	R
Xylene or Xylol	NR	NR
Zinc Chloride	R	R
Zinc Nitrate	R	R
Zinc Sulfate	R	R

R - Recommended
NR - Not Recommended
** - Lack of specific recommendations