

Platinum Cured Silicone Compatability Chart

Chemical	Compatibility
Acetaldehyde	B- Good
Acetate LMW	N/A
Acetic acid <5%	B- Good
Acetic acid >5%	B- Good
Acetic anhydride	D- Severe Effect
Acetone	D- Severe Effect
Acetonitrile	N/A
Acetyl bromide	N/A
Acetyl chloride	C- Fair
Air	A- Excellent
Aliphatic hydrocarbons	N/A
Aluminum chloride	B- Good
Aluminum sulfate	A- Excellent
Alums	N/A
Ammonia, gas and liquid	N/A
Ammonium acetate	N/A
Ammonium carbonate	C- Fair
Ammonium chloride	C- Fair
Ammonium hydroxide	A- Excellent
Ammonium nitrate	C- Fair
Ammonium phosphate	A- Excellent
Ammonium sulfate	A- Excellent
Amyl acetate	D- Severe Effect
Amyl alcohol	D- Severe Effect
Amyl chloride	D- Severe Effect
Aniline	B- Good
Aniline hydrochloride	N/A
Aqua regia (80% HCl, 20% H)	N/A
Aromatic hydrocarbons	N/A
Arsenic salts	N/A
Barium salts	A- Excellent
Benzaldehyde	N/A
Benzenesulfonic acid	D- Severe Effect
Bleaching liquors	B- Good
Boric acid	A- Excellent
Bromine	D- Severe Effect
Butane	D- Severe Effect
Butanol (butyl alcohol)	B- Good
Butyl acetate	D- Severe Effect
Butyric acid	D- Severe Effect
Calcium oxide	A- Excellent
Calcium salts	B- Good
Carbon bisulfide	N/A
Carbon dioxide	B- Good
Carbon tetrachloride	D- Severe Effect
Chlorine, dry	D- Severe Effect
Chlorine, wet	D- Severe Effect
Chloroacetic acid	N/A
Chlorobenzene	D- Severe Effect
Chlorobromomethane	D- Severe Effect
Chloroform	D- Severe Effect
Chlorosulfonic acid	D- Severe Effect
Chromic acid, 30%	D- Severe Effect
Chromium salts	N/A
Copper salts	A- Excellent

Chemical	Compatibility
Cresol	N/A
Cyclohexane	D- Severe Effect
Cyclohexanone	D- Severe Effect
Diacetone alcohol	N/A
Dimethyl formamide	N/A
Essential oils	C- Fair
Ethanol (ethyl alcohol)	B- Good
Ether	D- Severe Effect
Ethyl acetate	D- Severe Effect
Ethyl bromide	D- Severe Effect
Ethyl chloride	D- Severe Effect
Ethylamine	C- Fair
Ethylene chlorohydrin	C- Fair
Ethylene dichloride	D- Severe Effect
Ethylene glycol	A- Excellent
Ethylene oxide	D- Severe Effect
Fatty acids	C- Fair
Ferric chloride	B- Good
Ferric sulfate	C- Fair
Ferrous chloride	C- Fair
Ferrous sulfate	C- Fair
Fluoboric acid	A- Excellent
Fluoroborate salts	N/A
Fluosilicic acid	N/A
Formaldehyde	B- Good
Formic acid	C- Fair
FREONr TMS	N/A
Gasoline, high-aromatic	D- Severe Effect
Gasoline, nonaromatic	D- Severe Effect
Glucose	A- Excellent
Glue, P.V.A.	A- Excellent
Glycerin	A- Excellent
Hydriodic acid	N/A
Hydrobromic acid, 30%	D- Severe Effect
Hydrochloric acid (conc)	D- Severe Effect
Hydrochloric acid (dil)	D- Severe Effect
Hydrochloric acid (med)	D- Severe Effect
Hydrocyanic acid	C- Fair
Hydrocyanic acid, gas, 10%	C- Fair
Hydrofluoric acid, 50%	D- Severe Effect
Hydrofluoric acid, 75%	D- Severe Effect
Hydrogen peroxide (dil)	A- Excellent
Hydrogen peroxide, 90%	C- Fair
Hypochlorous acid	D- Severe Effect
Iodine solutions	C- Fair
Iodoform	N/A
Kerosene	D- Severe Effect
Ketones	N/A
Lacquer solvents	D- Severe Effect
Lactic acid	A- Excellent
Lead acetate	D- Severe Effect
Linseed oil	N/A
Lithium hydroxide	D- Severe Effect
Magnesium chloride	A- Excellent
Magnesium sulfate	A- Excellent

Malic acid	B- Good
Manganese salts	B- Good
Mercury salts	N/A
Methane	N/A
Methanol (methyl alcohol)	A- Excellent
Methyl chloride	D- Severe Effect
Methyl ethyl ketone (MEK)	D- Severe Effect
Mixed acid (40% H ₂ SO ₄ , 15% HNO ₃)	N/A
Molybdenum disulfide	N/A
Monoethanolamine	B- Good
Naphtha	D- Severe Effect
Natural gas	N/A
Nickel salts	A- Excellent
Nitric acid (conc)	D- Severe Effect
Nitric acid (dil)	C- Fair
Nitric acid (med)	D- Severe Effect
Nitrobenzene	D- Severe Effect
Nitrogen oxides	D- Severe Effect
Nitrous acid	N/A
Oils, animal	N/A
Oils, mineral	D- Severe Effect
Oils, vegetable	A- Excellent
Oleic acid	D- Severe Effect
Oxalic acid, cold	B- Good
Oxygen, gas	B- Good
Palmitic acid	D- Severe Effect
Perchloric acid	D- Severe Effect
Perchloroethylene	N/A
Phenol (carbolic acid)	D- Severe Effect
Phosphoric acid, 50%	N/A
Phthalic acid	B- Good
Plating solutions	D- Severe Effect
Polyglycol	A- Excellent
Potassium carbonate	N/A
Potassium chlorate	B- Good
Potassium hydroxide (conc)	C- Fair
Potassium hydroxide (med)	B- Good
Potassium iodide	N/A
Propanol (propyl alcohol)	A- Excellent
Pyridine	D- Severe Effect
Silicone fluids	N/A
Silicone oils	N/A

Silver nitrate	A- Excellent
Soap solutions	B- Good
Sodium bicarbonate	A- Excellent
Sodium bisulfate	N/A
Sodium bisulfite	A- Excellent
Sodium borate	A- Excellent
Sodium carbonate	A- Excellent
Sodium chlorate	C- Fair
Sodium chloride	B- Good
Sodium ferrocyanide	N/A
Sodium hydrosulfite	N/A
Sodium hydroxide (conc)	N/A
Sodium hydroxide (dil)	A- Excellent
Sodium hydroxide, 25%	B- Good
Sodium hypochlorite, <5%	B- Good
Sodium hypochlorite, >5%	B- Good
Sodium nitrate	D- Severe Effect
Sodium silicate	A- Excellent
Sodium sulfide	A- Excellent
Sodium sulfite	A- Excellent
Steam, up to 40 psi	A- Excellent
Stearic acid	B- Good
Styrene	N/A
Sulfuric acid (conc)	D- Severe Effect
Sulfuric acid (dil)	D- Severe Effect
Sulfuric acid (med)	D- Severe Effect
Sulfurous acid	D- Severe Effect
Tannic acid	B- Good
Tanning liquors	N/A
Tartaric acid	A- Excellent
Tin salts	B- Good
Toluene (toluol)	D- Severe Effect
Trichloroacetic acid	D- Severe Effect
Trichloroethylene	D- Severe Effect
Trisodium phosphate	N/A
Turpentine	D- Severe Effect
Urea	B- Good
Uric acid	N/A
Water, fresh	B- Good
Water, salt	A- Excellent
Xylene	D- Severe Effect
Zinc chloride	B- Good