

PowerCoat Epoxy & Urethane and ProCoat Chemical Resistance Chart 30-day Immersion Testing

CHEMICAL	RESISTANCE
Acetic acid 5% (vinegar, food acid)	No Effect
Acetic acid, Glacial (concentrated acid)	Slight softening
Acetone 100%, 50% (solvent)	Loss of gloss
Amyl Acetate (ester)	Slight softening
Amyl Alcohol (solvent)	No Effect
Ammonia 10%, 30% solution (fertilizer, cleaner)	No Effect
Ammonium BICARBONATE (leavening agent)	No Effect
Ammonium CHLORIDE (fertilizer)	No Effect
Ammonium NITRATE (fertilizer)	No Effect
Ammonium PHOSPHATE (fertilizer)	No Effect
Ammonium SULFATE (fertilizer)	No Effect
Beer (food acid)	No Effect
Brake Fluid (hydraulic fluid)	Loss of gloss
Bromine (flame retardant)	3 day stain
Calcium CHLORIDE (de-icing salt)	No Effect
Calcium HYDROXIDE (slaked lime)	No Effect
Carbon Bisulfide (solvent)	No Effect
Carbon Tetrachloride (solvent)	Severe softening
Chromic Acid 20% (industrial acid)	Stain
Cutting Oil (lubricant, coolant)	No Effect
Diesel Fuel #2 (fuel)	No Effect
Ethyl ACETATE (solvent)	Slight softening
Ethyl ALCOHOL (ethanol, grain alcohol)	No Effect
Ethyl ETHER (solvent)	No Effect
Ethylene Glycol (anti-freeze)	No Effect
Gasohol (fuel)	No Effect
Gasoline (fuel)	No Effect
Hydrobromic Acid (HBr) (strong mineral acid)	3 day stain
Hydrochloric Acid (Muriatic Acid, HCl) 15% -31% (strong industrial acid)	15% No Effect; 31% Slight stain
Hexane (solvent)	No Effect

CHEMICAL	RESISTANCE
Hydrogen Peroxide 3%, 10%, 35% (oxidizer, bleaching)	No Effect
Isopropyl Alcohol 100%, 50% (rubbing alcohol)	No Effect
Isobutyl Alcohol (solvent)	No Effect
Kerosene (fuel)	No Effect
Lactic Acid (milk acid, food acid)	No Effect
Methyl Ethyl Ketone, MEK (solvent)	48 hour loss of gloss
Methyl Alcohol 100%, 50% (Methanol, wood alcohol)	No Effect
Methylene Chloride (solvent)	Severe softening
Sodium Chloride 25% NaCl (salt water)	No Effect
Sodium Hydroxide 25% NaOH (lye, drain opener)	No Effect
Naphthenic Oil (a mineral oil)	No Effect
Nitric Acid (HNO ₃) (strong industrial acid)	Discoloration
Potassium Hydroxide, KOH (Caustic potash)	No Effect
Skydrol 500B-4 (hydraulic fluid)	No Effect
Steam	No Effect
Sugar (sucrose) 10% solution	No Effect
Sulfuric Acid, H ₂ SO ₄ 98% (strong industrial acid, concentrated)	Discoloration, no blistering or film degradation
Tannic Acid (food acid)	No Effect
Tartaric Acid (food acid)	No Effect
Methyl tert-butyl ether, MTBE (Gasoline additive)	No Effect
Tetrahydrofuran, THF (solvent)	Soften film
Toluene (solvent)	Loss of gloss
Tri Sodium Phosphate, TSP (cleaning agent, degreaser)	No Effect
Urea (found in fertilizer, urine)	No Effect
Urine (can be acidic or alkaline)	No Effect
Water	No Effect
Wine (food acid)	No Effect
Xylenes (solvent)	Loss of gloss, no blisters or peeling
Zinc Sulfate (fungicide)	No Effect