

Chemical Compatibility List

Following is a compatibility list for a variety of chemicals and solvents and their effect on COMPOSEAL membranes. Please be sure that all materials used in COMPOSEAL assembly are void of any poorly rated chemicals before installation. If a new product is being used within the system assembly, call the manufacturer of the new product and Compositite for compatibility verification.

All standard materials used in ceramic tile installations are compatible with COMPOSEAL. However, there are some particle boards coming on the market that use harsh chemicals and solvents which may, under certain circumstances, react with our membranes. Also, many petroleum based products, such as creosoted lumber, as well as pressure treated wood, asphalt or bituminous based materials, can affect the performance of COMPOSEAL membranes.

COMPATIBILITY LIST

No Apparent Effect

Aluminum Chloride	Copper Chloride	Magnesium Nitrate
Aluminum Hydroxide	Copper Fluoride	Nitric Acid 10%, 50%, 70%
Ammonium Chloride	Copper Nitrate	Oleic Acid
Ammonium Hydroxide	Copper Sulfate	Oxalic Acid
Ammonium Sulfate	Ethylene Glycol	Phosphoric Acid 20%
Ammonium Sulfide	Ferric Chloride	Potassium Bicarbonate
Ammonium Thiosulfate	Ferric Nitrate	Potassium Bichromate
Amyl Alcohol	Ferric Sulfate	Potassium Bromide
Barium Chloride	Formaldehyde	Potassium Carbonate
Barium Sulfide	Glycerin	Potassium Chloride
Borax, Boric Acid	Hydrochloric Acid 20%	Potassium Fluoride
Butyl Alcohol	Hydrochloric Acid 40%	Potassium Hydroxide
Calcium Carbonate	Hydrogen Chloride	Potassium Hypochlorite
Calcium Hydroxide	Hydrogen Fluoride	Potassium Sulfate
Calcium Hypochlorite	Hydrogen Peroxide 3%, 30%, 90%	
Calcium Sulfate	Isopropyl Alcohol	Potassium Sulfide
Carbonic Acid	Lactic Acid 10%	Propylene Glycol
Castor Oil	Magnesium Chloride	Sodium Acetate
Citric Acid	Magnesium Hydroxide	Sodium Bicarbonate
Stearic Acid	Vinegar	Sodium Borate
Sulfuric Acid 10%, 50%	Water	Sodium Carbonate
Tartaric Acid	Zinc Chloride	Sodium Chloride
Urea	Sodium Phosphate	Sodium Fluoride
Sodium Nitrate	Sodium Nitrite	Sodium Hydroxide 10%

Minor Effect

Butadiene
Chlorine 10% moist
Detergents
Ethyl Alcohol
Formic Acid 10%
Mineral Oil
Nitric Acid 50%
Silver Nitrate

Moderate Effect

Acetic Acid 60%
Ammonia
Hexane
Methyl Alcohol
Naphtha
Nitric Acid 70%
Vitamin E, U S P

Not Recommended

Acetic Acid, glacial	Cyclohexane	Methyl Isobutyl Ketone
Acetone	Cyclohexanone	Methyl Methacrylate
Aniline	Diethyl Ether	Methylene Chloride
Benzene	Diethyl Ketone	Nitrobenzene
Benzoic Acid	Ethyl Acetate	Phenol
Benzyl Alcohol	Ethylene Bromide	Sulfuric Acid 90%
Bromine	Ethylene Chloride	Tetrahydrofuran
Butyl Acetate	Ethylene Oxide	Toluene ***
Butyric Acid	Fluoride	Trichloroethene
Carbon Tetrachloride	Furfural	Vinyl Acetate
Chloroform	Hydrochloric Acid, con.	Xylene
Chromic Acid 50%	Iodine	
Creosote	Methyl Ethyl Ketone	

If you have any questions, please call 800/221-1056.

***In lesser concentrations, Toluene is OK. The quantity is controlled in cement, but when used in large quantities it will melt the membrane.