

Chemical Name (Concentration)	Test Results
Acetic Acid (100%)	SD 1, SA 1
Acetic Acid (5%), White Vinegar	0
Acetone	SD 3, SA 3
Ammonium Hydroxide, NH ₄ OH (5%)	SD 1
Benzene	SA 1
Betadine ¹	0
Blood	0
Butyle Alcohol	SD 1
Carbon Tetrachloride	SD 1
Chloroform	SA 1
Creosote	CC 2
Cresol	SD 1, SA 2
CRL (Calcium, Lime, Rust) Remover	CC 3
Dichloroethylene	SA 3
Dimethyl Sulfoxide	SD 2
Ehtyl Acetate	0
Ehtyl Alcohol (5%)	SD 1, SA 1
Ehtyl Alcohol (62%)	SD 3, SA 3
Ethyl Ether	0
Formaldehyde (40%)	0
Fuchsine	CC 2
Gasoline, Unleaded	SD 2
Hydrochloric Acid (100%)	CC 3
Hydrochloric Acid, HCl (5%)	SD 1
Hydrofluoric Acid (100%)	0
Hydrofluoric Acid (5%)	0
Iodine ¹	SD 1
Isopropyl Alcohol (100%)	SD 1
Isopropyl Alcohol (7%)	0

¹ May be removed using Windex with Ammonia D

Chemical Name (Concentration)	Test Results
Kerosene	SA 1
Lighter Fluid	SD 1
Methyl Alcohol	0
Methyl Ethyl Ketone	SA 1
Methylene Chloride	SA 1
Mineral Oil, White Medicinal Grade	0
Mineral Spirits	SD 2
Nitric Acid (100%)	SD 2
Nitric Acid (5%)	0
Olive Oil	0
Perchloroethylene	SA 1
Phenol Disinfectant (5%)	0
Silver Nitrate (40%)	CC 2
Silver Nitrate (5%)	CC 1
Sodium Hydroxide, NaOH (5%)	0
Sodium Hypochlorite, Bleach (5.25%)	0
Sodium Metasilicate	0
Sulfuric Acid (77%)	CC 3
Sulfuric Acid, H ₂ SO ₄ (5%)	0
Thimerosal	SD 1
Toluene	SA 2
Tribasic Sodium Phosphate	0
Trichloroethane	SA 1
Trichloroethylene	SA 1
Urine	0
Xylene	SD 1

CATEGORIES

SD: Surface Dulling

- Indicates specimen suffered loss of sheen

CC: Color Change

- Indicates specimen discolored or whitened

SA: Surface Attack

- Indicates surface damage of specimen, such as softening, warping, swelling, blistering, peeling, raising or roughness

CATEGORY RATINGS

0. No Change
1. Slight Change
2. Moderate Change
3. Severe Change

All chemical resistance testing performed in accordance with ASTM F925; all chemicals exposed to surface of material for one hour and examined within five minutes of removal. Chemical resistance is performed cumulatively and is relevant to all products made of a particular material, in this case luxury vinyl tile and plank. For this reason, all chemical resistance tests are usable for any product of a particular material type, regardless of product line or color. If a chemical does not appear on this list and you would like testing to be performed, please contact the RHC Technical Department – solutions@rhctechnical.com.