

# Solid Vinyl Tile Chemical Resistance Chart

<u>Chemical</u>	<u>1 Min</u>	<u>1 Hr</u>	<u>24 Hrs</u>	<u>Chemical</u>	<u>1 Min</u>	<u>1 Hr</u>	<u>24 Hrs</u>
Acetic acid (concentrated)	0	0	SA 1	Iodine	0	SD 1	CC 3
Acetic acid (5%), white vinegar	0	0	0	Isopropyl alcohol	0	SD 1	SD 2
Acetone	0	SA 1	SA 2	Isopropyl alcohol (70%)	0	0	0
Ammonium hydroxide, NH <sub>4</sub> OH (5%)	0	0	0	Kerosene	0	0	SA 1
Amyl acetate	0	0	SA 2	Lighter fluid	0	0	SD 1
Benzene	0	0	SA 1	Methyl alcohol	0	0	0
Betadine <sup>1</sup>	0	CC 1	CC 2	Methyl ethyl ketone (MEK)	SA 1	SA 1	SA 2
Blood	0	0	0	Methylene chloride	SA 3	SA 1	SA 2
Butyl alcohol	0	0	SA 1	Mineral oil, white medicinal grade	0	0	0
Carbon tetrachloride	0	0	SA 1	Mineral spirits	SD 1	SD 2	SA 1
Chloroform	0	0	SA 1	Nitric acid (concentrated)	0	0	SD 2
Creosote	0	CC 2	CC 3	Nitric acid (5%)	0	0	SA 1
Cresol	0	SA 1	SA 2	Olive oil	0	0	0
CRL (Calcium, Lime, Rust) Remover <sup>2</sup>	CC1	CC2	CC2	Perchloroethylene	SD 2	SA 1	SA 2
Dichloroethylene	0	SA 3	SA 3	Phenol disinfectant (5%)	0	0	0
Dimethyl sulfoxide	SA 2	SA 2	SA 2	Silver nitrate (5%)	0	CC 1	CC 3
Ethyl acetate	0	0	SA 2	Silver nitrate (40%)	0	0	CC 3
Ethyl alcohol	0	0	0	Sodium hydroxide, NaOH (5%)	0	0	0
Ethyl ether	0	0	SA 1	Sodium hypochlorite, bleach (5.25%)	0	0	0
Forane <sup>R</sup> - 113C	SD 2	SD 2	SA 1	Sodium metasilicate	0	0	0
Forane <sup>R</sup> - 113E	SD 1	SD 1	SA 1	Sulfuric acid (concentrated)	0	0	CC 3
Forane <sup>R</sup> - MES	SD 1	SD 1	SA 1	Sulfuric acid (77%)	0	0	CC 3
Fuchsine	0	CC 2	CC 3	Sulfuric acid, H <sub>2</sub> SO <sub>4</sub> (5%)	0	0	0
Freon <sup>R</sup>	0	0	0	Thimerosal	0	SD 1	CC 3
Gasoline, unleaded	SD1	SD 1	SA 1	Toluene	SD 2	SA 1	SA 3
Hydrochloric acid (concentrated)	CC1	CC2	CC2	Tribasic sodium phosphate	0	0	0
Hydrochloric acid, HCl (5%)	0	0	SA 1	Trichloroethane	SA 3	SA 1	SA 2
Hydrofluoric acid (concentrated)	0	0	0	Trichloroethylene	SA 1	SA 1	SA 1
Hydrofluoric acid (5%)	0	0	0	Urine	0	0	0
				Xylene	0	0	SA 1

## Categories

\* SD: Surface dulling; Indicates that the specimen suffered from a loss of gloss

\* CC: Color change; Indicates that the specimen suffered discoloration or bleaching, or both

\* SA: Surface attack; Indicates that the specimen suffered surface damage such as softening, warping, swelling, blistering, peeling, raised or rough area

## Subjective category ratings

0 = no change

1 = slight change

2 = moderate change

3 = severe change

Notes: 1: May be removed using Windex with Ammonia D

\*\* Tested in accordance with ASTM F 925; chemicals exposed to tile surface for one hour and twenty-four hours