



Titanium Series ESD Flooring Chemical Resistance Testing

Chemical Resistance: Exposure time, 30 minutes, top surface only

Note: Titanium ESD vinyl flooring is resistant to most industrial chemicals. Test methods, chemical concentrations, dwell time and some environmental factors may cause a deviation from the following test results. Pre-test on site prior to proceeding with the installation.

Sulfuric Acid (25%), no effect	Gasoline, Mineral Oil, Vegetable Oil, no effect
Sulfuric Acid (5%), no effect	Chloroform, no effect
Nitric Acid (Conc.), Slight Surface Attack	Trichloroethylene, no effect
Nitric Acid (5%), no effect	Acetone, some softening, no color change
Hydrochloric Acid (5%), slight dulling	Methyl Ethyl Ketone, slight surface dulling
Acetic Acid (Conc.), no effect	Amyl Acetate, Ethyl Acetate, no effect
Acetic Acid (5%), no effect	Silver Nitrate (40%), slight brown stain
Sodium Hydroxide (50%), no effect	Ethyl Ether, no effect
Ammonium Hydroxide (28%), no effect	Formaldehyde (40%), no effect
Methyl Alcohol, no effect	Iodine, Yellow Stain
Ethyl Alcohol, no effect	Phenol, slight surface attack
Cresol, slight surface attack	Benzene, no effect
Xylene, no effect	Carbon Tetrachloride, no effect
30% hydrogen peroxide, No visible change*	10:1 HF dip (~5% HF), no visible change*
Developer 321 (contains TMAH), no effect*	Butyl Alcohol, no effect
Prestone 50/50 antifreeze/coolant, no effect	Prestone DOT 3 brake fluid, no effect



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Chemical Resistance Testing
Chemical Resistance, 45 minutes under watch glass

Antifreeze - No Effect	Benzyl Alcohol - No Effect
Dodecylbenzene Sulfonic Acid - No Effect	Formic acid - No Effect
Isopropanol (IPA) – no effect	Mineral Spirits - No Effect
Naphthol Spirits - No Effect	Octyl Alcohol - No Effect
Oxalic Acid - Slight Dulling	Phosphoric Acid Technical Grade 75% - Very Slight Softening
Sodium Hypochlorite 15% (Bleach) - Slight Dulling	Stearic Acid - No Effect
Marvel Mystery Oil – No Effect	Tetrahydrofurfuryl Alcohol - No Effect
Toluene - No Effect	Brake Fluid - No effect
Interlocking Tiles Only: Silane Type 174 (Gamma-Methacryloxypropyltrimethoxysilane)	Deforms Tiles when allowed to penetrate between seams in interlocking tiles.

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