



## 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           |

### 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                                     |

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