

CHEMICAL RESISTANCE GUIDE

PERMAFLEX 1105

Chemical resistance is based on testing at ambient temperatures in the specific chemical. For elevated temperature exposure, contact your ChemProof Polymers distributor.

| RATING GUIDE | | |
|--------------|---|--|
| 1 | = | Suitable for long term exposure with minimal maintenance |
| 2 | = | Suitable for short term containment and frequent spillage with washdown every 24 hours |
| 3 | = | Suitable for intermittent spills when followed by an immediate washdown |
| NR | = | Not Recommended |
| C | = | Consult your ChemProof Polymers Distributor |

| | Rating | | Rating | | Rating |
|------------------------|--------|------------------------|--------|----------------------|--------|
| Acetic Acid, 10% | 3 | Copper Nitrate | 1 | Nitric Acid, 20% | 2 |
| Acetic Acid, 20% | 3 | Copper Sulfate | 1 | Nitric Acid, 30% | 3 |
| Acetic Acid, Glacial | NR | Corn Oil | 1 | Nitrobenzene | 1 |
| Acetone | 2 | Crude Oil, Sour | 1 | Oils | 1 |
| Acrylonitrile | 3 | Crude Oil, Sweet | 1 | Oleic Acid | 1 |
| Adipic Acid | 1 | Cyclohexane | 1 | Oxalic Acid | 1 |
| Alum | 1 | Cyclohexanol | 2 | Perchloroethylene | 1 |
| Aluminum Chloride | 1 | Cyclohexanone | 2 | Perchloric Acid | 2 |
| Aluminum Fluoride, 25% | 1* | Diesel Fuel | 1 | Phenol | 3 |
| Aluminum Hydroxide | 1 | Diethyl benzene | 1 | Phosphoric Acid, 50% | 1 |
| Aluminum Nitrate | 1 | Ethyl Acetate | 1 | Phosphoric Acid, 85% | 2 |
| Aluminum Sulfate | 1 | Ethyl Alcohol | 1 | Phosphorous Acid | 2 |
| Ammonia | 1 | Ethylene Dichloride | 2C | Potassium Carbonate | 1 |
| Ammonium Bisulfite | 1 | Ethylene Glycol | 1 | Potassium Chloride | 1 |
| Ammonium Chloride | 1 | Fatty Acids | 1 | Potassium Dichromate | 1 |
| Ammonium Hydroxide | 1 | Ferric Chloride | 1 | Potassium Hydroxide | 1 |
| Ammonium Nitrate | 1 | Ferric Nitrate | 1 | Potassium Nitrate | 1 |
| Ammonium Sulfate | 1 | Ferric Sulfate | 1 | Propionic Acid | 2 |
| Barium Chloride | 1 | Ferrous Chloride | 1 | Propyl Acetate, 99% | 1 |
| Barium Hydroxide, 10% | 1 | Fluosilicic Acid, 10% | 1* | Silver Nitrate | 1 |
| Barium Sulfate | 1 | Formaldehyde, 40% | 1 | Skydrol | 1 |
| Barium Sulfide | 1 | Formic Acid, 10% | 3 | Sodium Acetate | 1 |
| Barium Sulfite | 1 | Fuel Oil | 1 | Sodium Bicarbonate | 1 |
| Beer | 1 | Gasoline | 1 | Sodium Bisulfate | 1 |
| Benzene | 2 | Glycerine | 1 | Sodium Carbonate | 1 |
| Benzoic Acid | 1 | Hydrobromic Acid, 50% | 1 | Sodium Chloride | 1 |
| Black Liquor | 1 | Hydrochloric Acid, 37% | 2 | Sodium Chlorite | 2 |

| | | | | | |
|--------------------------|---|------------------------|----|-----------------------|---|
| Bleach | C | Hydrofluoric Acid, 25% | 2 | Sodium Hydroxide | 1 |
| Boric Acid | 1 | Hydrofluoric Acid, 48% | 3 | Sodium Hypochlorite | C |
| Brine | 1 | Hydrogen Peroxide | 2 | Sodium Sulfate | 1 |
| Butyl Acetate | 1 | Hydrogen Sulfide | 1 | Sodium Sulfide | 1 |
| Butyl Acrylate | 2 | Isopropyl Alcohol | 1 | Stannic Chloride | 1 |
| n-Butyl Alcohol | 1 | Jet Fuel | 1 | Stannous Chloride | 1 |
| Butyl Cellosolve Solvent | 1 | Kerosene | 1 | Stearic Acid | 1 |
| n-Butyric Acid | 1 | Lactic Acid | 2 | Styrene | 2 |
| Cadmium Chloride | 1 | Lead Acetate | 1 | Sugar | 1 |
| Calcium Chloride | 1 | Linseed Oil | 1 | Sulfuric Acid, 10% | 1 |
| Calcium Hydroxide | 1 | Lithium Chloride | 1 | Sulfuric Acid, 50% | 1 |
| Calcium Hypochlorite | C | Lithium Hypochlorite | 2 | Sulfuric Acid, 75% | 2 |
| Calcium Nitrate | 1 | Magnesium Bisulfite | 1 | Sulfuric Acid, 98% | 3 |
| Calcium Nitrite | 1 | Magnesium Carbonate | 1 | Tall Oil | 1 |
| Calcium Sulfate | 1 | Magnesium Chloride | 1 | Tannic Acid | 1 |
| Calcium Sulfite | 1 | Magnesium Hydroxide | 1 | Tetrahydrofuran, 15% | 2 |
| Carbon Dioxide Gas | 1 | Magnesium Sulfate | 1 | Toluene | 1 |
| Carbon Disulfide | 1 | Maleic Acid | 1 | 1-1-1 Trichloroethane | 2 |
| Carbon Tetrachloride | 1 | Methanol | 2 | Trichloroethylene | 2 |
| Chlorine Dioxide | 2 | Methylene Chloride | 2C | Trisodium Phosphate | 1 |
| Chlorine Gas (dry & wet) | 1 | Methyl Ethyl Ketone | 2 | Urea | 1 |
| Chlorine Water | 1 | Methyl Methacrylate | 1 | Water, Deionized | 1 |
| Chlorobenzene | 1 | Mineral Spirits | 1 | Water, Distilled | 1 |
| Chloroform | 2 | Naphtha | 1 | Xylene | 1 |
| Chromic Acid, 15% | 2 | Naphthalene | 1 | Zinc Chloride | 1 |
| Chromic Acid, 32% | 3 | Nitric Acid, 10% | 1 | Zinc Sulfate | 1 |

Note: The recommendations contained herein are correct to the best of our knowledge for secondary containment applications. It is highly recommended that the end-user conduct their own independent compatibility tests.

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