



GUIDE TO CHEMICAL RESISTANCE – NITOSEAL® PY350



The resistance of Nitoseal PY350 has been tested to a wide range of chemicals, use the list below to help determine if Nitoseal PY350 is the right choice for your project.

These ratings must only be used as a recommendation as results may vary depending on ambient temperature, preparation procedure, application, dry time and contact time. Always refer to the product TDS before making your final selection and speak to your Fosroc representative. In addition, it is recommended that more comprehensive immersion tests be carried out for critical applications.

Chemical	Resistance
Acetaldehyde	Not Recommended
Acetic Acid	Fair
Acetic Anhydride	Not Recommended
Acetone	Not Recommended
Acetyl Bromide	Fair
Acetyl Chloride	Fair
Acetylene	Good
Adipic Acid	Excellent
Aluminium Chloride	Good
Aluminium Sulphate	Good
Aluminium Sulphide	Good
Ammonia	Good
Ammonium Acetate	Fair
Ammonium Carbonate	Good
Ammonium Hydroxide	Excellent
Ammonium Nitrate	Good
Ammonium Persulphate	Good
Ammonium Sulphate	Good
Ammonium Sulphide	Good
Ammonium Thiocyanide	Good
Amyl Acetate	Not Recommended
Amyl Alcohol	Fair
Amyl Chloride	Fair
Aniline	Not Recommended
Aniline Hydrochloride	Not Recommended
Animal Fats and Oils	Good
Antimony Salts	Good
Aqua Regia	Not Recommended
Arsenic Salts	Excellent
ASTM Oil No. 1	Excellent
ASTM Oil No. 2	Good
ASTM Oil No. 3	Good
ASTM Reference Fuel A	Excellent
ASTM Reference Fuel B	Good
Atlantic Oil	Excellent
Barium Carbonate	Good
Barium Hydroxide	Excellent
Benzaldehyde	Good
Benzene	Not Recommended
Benzoic Acid	Good
Boric Acid	Excellent
Bromine	Good
Bunker Oil	Excellent
Butane	Excellent
Butyl Acetate	Not Recommended
Butyl Alcohol	Good
Calcium Carbonate	Good
Calcium Chloride	Excellent
Calcium Dioxide	Excellent
Calcium Hydroxide	Excellent
Calcium Monoxide	Excellent
Calcium Nitrate	Good
Calcium Sulphate	Good
Calcium Tetrachloride	Fair
Castor Oil	Excellent
Chlorine	Good
Chloroacetic Acid	Fair
Chloroform	Not Recommended
Chromic Acid	Fair
Chromium Potassium	Good
Citric Acid	Good
Cottonseed Oil	Excellent
Cresol (Meta)	Not Recommended
Culpric Nitrate	Good
Cupric Chloride	Excellent
Cupric Sulphate	Good
Cyclohexane	Good
Cyclohexanone	Not Recommended

Chemical	Resistance
Dibutyl Ester	Good
Dibutyl Phthalate	Fair
Dichlorobenzene (Ortho)	Fair
Diester Oil	Good
Dimethyl Acetamine	Not Recommended
Dimethyl Formamide	Not Recommended
Dodecyl Mercaptan	Good
DTE Oil (Heavy, Medium)	Good
Esso #90 Lub. Oil	Excellent
Ether	Good
Ethyl Acetate	Not Recommended
Ethyl Alcohol (Ethanol)	Fair
Ethyl Bromide	Fair
Ethyl Chloride	Fair
Ethylene Glycol	Good
Ferric Chloride	Good
Ferric Nitrate	Good
Ferrous Chloride	Good
Ferrous Nitrate	Good
Formaldehyde	Fair
Formic Acid	Fair
Freon 12 or 113	Excellent
Fuel Oil	Good
Gasoline	Good
Glycerine (Glycerol)	Excellent
Glycolic Acid	Good
Greases	Excellent
Heptane	Excellent
Hexane	Excellent
Hydrazine	Not Recommended
Hydrobromic Acid	Good
Hydrocarbon Oil	Excellent
Hydrochloric Acid 20%	Good
Hydrofluoric Acid	Good
Hydrogen	Excellent
Hydrogen Peroxide	Good
Hydrogen Sulphide	Fair
Hydroiodic Acid	Good
Iodine Solution	Excellent
Isooctane	Good
Isopropyl Alcohol	Good
Isopropyl Ether	Good
JP-4 Oil	Good
JP-5 & 6	Not Recommended
Kerosene	Good
Lactic Acid	Good
Lead Acetate	Good
Linseed Oil	Good
Lubricating Oil	Good
Magnesium Hydroxide	Excellent
Magnesium Salts	Good
Malaic Acid	Fair
Mercury	Excellent
Methyl Alcohol (Methanol)	Not Recommended
Methyl Ethyl Ketone	Not Recommended
Methylene Chloride	Not Recommended
MIL-D-5606 Oil	Fair
MIL-L-7808	Excellent
Mineral Oil	Excellent
Mobil Artic Oil	Excellent
Naphthalene	Good
Natural Gas	Good
Nickel Salts	Fair
Nitric Acid	Not Recommended
Nitrobenzene	Not Recommended
Nitrogen	Excellent
Oleic Acid	Excellent
Oxalic Acid (5%)	Excellent

Chemical	Resistance
Oxygen	Excellent
Ozone	Excellent
Paints	Excellent
Palmitic Acid	Excellent
Perchloric Acid	Not Recommended
Perchloroethylene	Fair
Petroleum	Excellent
Phenol (Carbolic Acid)	Not Recommended
Phosphoric Acid (Conc.)	Fair
Phosphoric Acid (Dilute)	Good
Potassium Cyanide	Excellent
Potassium Salts	Good
Propane	Good
Propyl Alcohol	Good
Propylene Glycol	Good
Pydraul Oil	Not Recommended
SAE #10 Oil	Excellent
Sea Water	Excellent
Silicic Acid	Excellent
Silver Nitrate	Good
Skydrol Oil (500)	Not Recommended
Soap	Good
Sodium Acetate	Excellent
Sodium Bicarbonate	Good
Sodium Bisulphate	Good
Sodium Borate	Good
Sodium Carbonate	Good
Sodium Chlorate	Good
Sodium Chloride	Good
Sodium Cyanide	Good
Sodium Dichromate	Good
Sodium Ferrocyanide	Good
Sodium Fluoride	Good
Sodium Hydrosulphite	Good
Sodium Hydroxide (45%)	Good
Sodium Hypochlorite (5%)	Not Recommended
Sodium Nitrate	Good
Sodium Silicate	Excellent
Sodium Sulphate	Good
Sodium Sulphide	Good
Sperry Oil	Good
Steam	Not Recommended
Stoddard Solvent	Excellent
Styrene	Good
Sulphur Dioxide	Good
Sulphuric Acid (10-50%)	Fair
Tannic Acid (10%)	Excellent
Tartaric Acid	Excellent
Tin Salts	Good
Titanium Salts	Good
Toluene	Not Recommended
Transformer Oil	Good
Trichloroacetic Acid	Not Recommended
Trichloroethylene	Not Recommended
Tricresyl Phosphate	Fair
Triethanol Amine	Good
Trisodium Phosphate	Good
Turpentine	Fair
Urea	Good
Varnish	Good
Vegetable Oil	Excellent
Water	Good
Xylene	Fair
Xylol	Fair
Zinc Chloride	Good
Zinc Sulphate	Good