Ultra-Containment Berm

Chemical Compatibility Guide

Chemical	XR5	CP2K*	PVC	Chemical	XR5	CP2K*	PVC
Acetaldehyde	T	T	D	**Melamine**	T	T	D
Acetamide	T	T	D	**Mercuric Chloride (dilute)**	T	T	A
Acetate Solvent	T	T	D	**Mercuric Cyanide**	T	T	A
Acetic Acid	B	B	D	**Mercurous Nitrate**	T	T	A
Acetic Acid 20%	C	C	D	**Mercury**	T	T	A
Acetic Acid 80%	D	D	C	**Methane**	T	T	B
Acetic Acid, Glacial	T	T	D	**Methanol (Methyl Alcohol)**	A	A	A
Acetic Anhydride	T	T	D	**Methyl Acetate**	T	T	D
Acetone	T	T	D	**Methyl Acetone**	T	T	D
Acetyl Bromide	T	T	D	**Methyl Acrylate**	T	T	T
Acetyl Chloride (dry)	T	T	C	**Methyl Alcohol 10%**	T	T	A
Acetylene	T	T	A	**Methyl Bromide**	T	T	D
Acrylonitrile	T	T	B	**Methyl Butyl Ketone**	T	T	A
Adipic Acid	T	T	A	**Methyl Cellosolve**	T	T	D
AFFF	A	A	T	**Methyl Chloride**	T	T	D
Alcohols:Amyl	T	T	A	**Methyl Dichloride**	T	T	A
Alcohols:Benzyl	T	T	D	**Methyl Ethyl Ketone**	T	T	D
Alcohols:Butyl	T	T	A	**Methyl Ethyl Ketone Peroxide**	T	T	T
Alcohols:Diacetone	T	T	B	**Methyl Isobutyl Ketone**	T	T	D
Alcohols:Ethyl	T	T	C	**Methyl Isopropyl Ketone**	T	T	D
Alcohols:Hexyl	T	T	A	**Methyl Methacrylate**	T	T	A
Alcohols:Isobutyl	T	T	A	**Methylamine**	T	T	D
Alcohols:Isopropyl	T	T	A	**Methylene Chloride**	T	T	D
Alcohols:Methyl	T	T	A	**Milk**	T	T	A
Alcohols:Octyl	T	T	T	**Mineral Spirits**	A	A	A
Alcohols:Propyl	T	T	A	**Molasses**	T	T	A
Aluminum Chloride	T	T	A	**Monochloroacetic acid**	T	T	T

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Aluminum Chloride 20%	T	T	A	**Monoethanolamine**	T	T	D
Aluminum Fluoride	T	T	A	**Morpholine**	T	T	T
Aluminum Hydroxide	T	T	A	**Motor oil**	T	T	B
Aluminum Nitrate	T	T	B	**Mustard**	T	T	B
Aluminum Potassium Sulfate 10%	T	T	A	**Naphtha**	A	A	A
Aluminum Potassium Sulfate 100%	T	T	A	**Naphthalene**	T	T	D
Aluminum Sulfate	T	T	A	**Natural Gas**	T	T	A
Alums	T	T	T	**Nickel Chloride**	T	T	A
Amines	T	T	D	**Nickel Nitrate**	T	T	A
Ammonia 10%	T	T	B	**Nickel Sulfate**	T	T	A
Ammonia Nitrate	T	T	B	**Nitrating Acid (<15% HNO3)**	T	T	D
Ammonia, anhydrous	T	T	A	**Nitrating Acid (>15% H2SO4)**	T	T	D
Ammonia, liquid	T	T	A	**Nitrating Acid (S1% Acid)**	T	T	D
Ammonium Acetate	T	T	A	**Nitrating Acid (S15% H2SO4)**	T	T	D
Ammonium Bifluoride	T	T	A	**Nitric Acid (20%)**	T	T	A
Ammonium Carbonate	T	T	A	**Nitric Acid (50%)**	D	D	B
Ammonium Caseinate	T	T	T	**Nitric Acid (5-10%)**	C	C	A
Ammonium Chloride	T	T	A	**Nitric Acid (Concentrated)**	T	T	B
Ammonium Hydroxide	A	A	A	**Nitrobenzene**	T	T	D
Ammonium Nitrate	T	T	A	**Nitrogen Fertilizer**	T	T	T
Ammonium Oxalate	T	T	A	**Nitromethane**	T	T	B
Ammonium Persulfate	T	T	A	**Nitrous Acid**	T	T	A
Ammonium Phosphate, Dibasic	T	T	A	**Nitrous Oxide**	T	T	A
Ammonium Phosphate, Monobasic	T	T	A	**Oils:Aniline**	T	T	D
Ammonium Phosphate, Tribasic	T	T	A	**Oils:Anise**	T	T	T

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Ammonium Sulfate	T	T	A	**Oils:Bay**	T	T	T
Ammonium Sulfite	T	T	A	**Oils:Bone**	T	T	T
Ammonium Thiosulfate	T	T	T	**Oils:Castor**	T	T	A
Amyl Acetate	T	T	D	**Oils:Cinnamon**	T	T	D
Amyl Alcohol	T	T	A	**Oils:Citric**	T	T	B
Amyl Chloride	T	T	D	**Oils:Clove**	T	T	T
Aniline	T	T	C	**Oils:Coconut**	T	T	A
Aniline Hydrochloride	T	T	B	**Oils:Cod Liver**	T	T	A
Animal Oil	A	A	T	**Oils:Corn**	A	A	B
Antifreeze	A	A	A	**Oils:Cottonseed**	T	T	B
Antimony Trichloride	T	T	A	**Oils:Creosote**	T	T	C
Aqua Regia (80% HCl, 20% HNO3)	T	T	C	**Oils:Crude**	A	A	T
Arochlor 1248	T	T	T	**Oils:Diesel Fuel (20, 30, 40, 50)**	A	A	B
Aromatic Hydrocarbons	D	D	D	**Oils:Fuel (1, 2, 3, 5A, 5B, 6)**	T	T	A
Arsenic Acid	T	T	A	**Oils:Ginger**	T	T	T
Arsenic Salts	T	T	A	**Oils:Hydraulic Oil (Petro)**	A	A	A
Asphalt	T	T	A	**Oils:Hydraulic Oil (Synthetic)**	D	D	A
ASTM Oil #2 (Flash pt. 240º C)	A	A	T	**Oils:Lemon**	T	T	T
ASTM Oil #3	A	A	T	**Oils:Linseed**	A	A	A
Barium Carbonate	T	T	A	**Oils:Mineral**	T	T	B
Barium Chloride	T	T	A	**Oils:Olive**	T	T	C
Barium Cyanide	T	T	D	**Oils:Orange**	T	T	C
Barium Hydroxide	T	T	A	**Oils:Palm**	T	T	A
Barium Nitrate	T	T	A	**Oils:Peanut**	T	T	A
Barium Sulfate	T	T	B	**Oils:Peppermint**	T	T	T
Barium Sulfide	T	T	A	**Oils:Pine**	T	T	D
Beer	T	T	A	**Oils:Rapeseed**	T	T	T
Beet Sugar Liquids	T	T	A	**Oils:Rosin**	T	T	C
Benzaldehyde	T	T	D	**Oils:SAE-30**	A	A	T
Benzene	T	T	C	**Oils:Sesame Seed**	T	T	A
Benzene Sulfonic Acid	T	T	A	**Oils:Silicone**	T	T	A
Benzoic Acid	T	T	A	**Oils:Soybean**	T	T	A
Benzol	T	T	T	**Oils:Sperm (whale)**	T	T	T
Benzonitrile	T	T	T	**Oils:Tanning**	T	T	T
Benzyl Chloride	T	T	T	**Oils:Transformer**	A	A	B

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Bleaching Liquors	T	T	A	**Oils:Turbine**	T	T	A
Borax (Sodium Borate)	T	T	A	**Oleic Acid**	T	T	C
Boric Acid	T	T	A	**Oleum 100%**	T	T	D
Brewery Slop	T	T	T	**Oleum 25%**	T	T	D
Bromine	T	T	C	**Oxalic Acid (cold)**	T	T	B
Butadiene	T	T	C	**Ozone**	T	T	B
Butane	T	T	C	**Palmitic Acid**	T	T	B
Butanol (Butyl Alcohol)	T	T	C	**Paraffin**	T	T	B
Butter	T	T	T	**Pentane**	T	T	A
Buttermilk	T	T	A	**Perchloric Acid**	T	T	C
Butyl Amine	T	T	D	**Perchloroethylene**	D	D	C
Butyl Ether	T	T	A	**Petrolatum**	T	T	B
Butyl Phthalate	T	T	T	**Petroleum**	T	T	T
Butylacetate	T	T	D	**Phenol (10%)**	T	T	C
Butylene	T	T	A	**Phenol (Carbolic Acid)**	T	T	D
Butyric Acid	T	T	B	**Phenol Formaldehyde**	C	C	T
Calcium Bisulfate	T	T	T	**Phosphoric Acid (>40%)**	T	T	B
Calcium Bisulfide	T	T	A	**Phosphoric Acid (crude)**	T	T	B
Calcium Bisulfite	T	T	B	**Phosphoric Acid (molten)**	T	T	D
Calcium Carbonate	T	T	A	**Phosphoric Acid (S40%)**	T	T	B
Calcium Chlorate	T	T	B	**Phosphoric Acid Anhydride**	T	T	T
Calcium Chloride	T	T	C	**Phosphorus**	T	T	A
Calcium Hydroxide	T	T	B	**Phosphorus Trichloride**	T	T	D
Calcium Hypochlorite	T	T	B	**Photographic Developer**	T	T	A
Calcium Nitrate	T	T	A	**Photographic Solutions**	T	T	A
Calcium Oxide	T	T	B	**Phthalic Acid**	T	T	T
Calcium Sulfate	T	T	B	**Phthalic Anhydride**	T	T	D
Calgon	T	T	T	**Picric Acid**	T	T	D
Cane Juice	T	T	A	**Plating Solutions, Antimony Plating 130°F**	T	T	A
Carbolic Acid (Phenol)	T	T	D	**Plating Solutions, Arsenic Plating 110°F**	T	T	A

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Carbon Bisulfide	T	T	D	**Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F**	T	T	A
Carbon Dioxide (dry)	T	T	A	**Plating Solutions, Brass Plating: Regular Brass Bath 100°F**	T	T	A
Carbon Dioxide (wet)	T	T	A	**Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.**	T	T	A
Carbon Disulfide	T	T	D	**Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F**	T	T	D
Carbon Monoxide	T	T	A	**Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F**	T	T	A
Carbon Tetrachloride	T	T	D	**Plating Solutions, Cadmium Plating: Cyanide Bath 90°F**	T	T	A
Carbon Tetrachloride (dry)	T	T	T	**Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F**	T	T	A
Carbon Tetrachloride (wet)	T	T	T	**Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F**	T	T	A
Carbonated Water	T	T	A	**Plating Solutions, Chromium Plating: Black Chrome Bath 115°F**	T	T	A
Carbonic Acid	T	T	A	**Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F**	T	T	A
Catsup	T	T	A	**Plating Solutions, Chromium Plating: Fluoride Bath 130°F**	T	T	A
Chloric Acid	T	T	A	**Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F**	T	T	A

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Chlorinated Glue	T	T	T	**Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F**	T	T	A
Chlorine (dry)	T	T	D	**Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.**	T	T	A
Chlorine Solution 20%	A	A	T	**Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F**	T	T	A
Chlorine Water	T	T	A	**Plating Solutions, Copper Plating (Cyanide): High-Speed Bath 180°F**	T	T	D
Chlorine, Anhydrous Liquid	T	T	D	**Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F**	T	T	D
Chloroacetic Acid	T	T	B	**Plating Solutions, Copper Plating (Misc): Copper (Electroless)**	T	T	A
Chlorobenzene (Mono)	T	T	D	**Plating Solutions, Copper Plating (Misc): Copper Pyrophosphate**	T	T	A
Chlorobromomethane	T	T	D	**Plating Solutions, Gold Plating: Acid 75°F**	T	T	A
Chloroform	T	T	D	**Plating Solutions, Gold Plating: Cyanide 150°F**	T	T	D
Chlorosulfonic Acid	T	T	D	**Plating Solutions, Gold Plating: Neutral 75°F**	T	T	A
Chocolate Syrup	T	T	T	**Plating Solutions, Indium Sulfamate Plating R.T.**	T	T	A

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Chromic Acid 10%	T	T	A	**Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F**	T	T	D
Chromic Acid 30%	T	T	A	**Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F**	T	T	D
Chromic Acid 5%	T	T	A	**Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F**	T	T	D
Chromic Acid 50%	T	T	D	**Plating Solutions, Iron Plating: Fluoborate Bath 145°F**	T	T	D
Chromium Salts	T	T	A	**Plating Solutions, Iron Plating: Sulfamate 140°F**	T	T	A
Cider	T	T	A	**Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F**	T	T	D
Citric Acid	T	T	B	**Plating Solutions, Lead Fluoborate Plating**	T	T	A
Citric Oils	T	T	T	**Plating Solutions, Nickel Plating: Electroless 200°F**	T	T	D
Clorox (Bleach)	A	A	A	**Plating Solutions, Nickel Plating: Fluoborate 100-170°F**	T	T	A
Coffee	T	T	T	**Plating Solutions, Nickel Plating: High-Chloride 130-160°F**	T	T	D
Copper Chloride	T	T	A	**Plating Solutions, Nickel Plating: Sulfamate 100-140°F**	T	T	A
Copper Cyanide	T	T	A	**Plating Solutions, Nickel Plating: Watts Type 115-160°F**	T	T	D

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Copper Fluoborate	T	T	A	**Plating Solutions, Rhodium Plating 120°F**	T	T	A
Copper Nitrate	T	T	A	**Plating Solutions, Silver Plating 80-120°F**	T	T	A
Copper Sulfate >5%	T	T	A	**Plating Solutions, Tin-Fluoborate Plating 100°F**	T	T	A
Copper Sulfate 5%	T	T	A	**Plating Solutions, Tin-Lead Plating 100°F**	T	T	A
Cream	T	T	T	**Plating Solutions, Zinc Plating: Acid Chloride 140°F**	T	T	A
Cresols	T	T	D	**Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T.**	T	T	A
Cresylic Acid	T	T	D	**Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F**	T	T	D
Cupric Acid	T	T	A	**Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.**	T	T	A
Cyanic Acid	T	T	T	**Potash (Potassium Carbonate)**	T	T	A
Cyclohexane	T	T	D	**Potassium Bicarbonate**	T	T	A
Cyclohexanone	T	T	D	**Potassium Bromide**	T	T	A
Detergents	T	T	A	**Potassium Chlorate**	T	T	A
Diacetone Alcohol	T	T	D	**Potassium Chloride**	T	T	A
Dichlorobenzene	T	T	D	**Potassium Chromate**	T	T	A
Dichloroethane	T	T	D	**Potassium Cyanide Solutions**	T	T	A
Diesel Fuel	A	A	A	**Potassium Dichromate**	T	T	A
Diethyl Ether	T	T	D	**Potassium Ferricyanide**	T	T	A
Diethylamine	T	T	D	**Potassium Ferrocyanide**	T	T	A
Diethylene Glycol	T	T	C	**Potassium Hydroxide (Caustic Potash)**	T	T	A

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Dimethyl Aniline	T	T	D	**Potassium Hypochlorite**	T	T	B
Dimethyl Formamide	T	T	D	**Potassium Iodide**	T	T	A
Diphenyl	T	T	T	**Potassium Nitrate**	T	T	A
Diphenyl Oxide	T	T	D	**Potassium Oxalate**	T	T	T
Dyes	T	T	B	**Potassium Permanganate**	T	T	A
Epsom Salts (Magnesium Sulfate)	T	T	A	**Potassium Sulfate**	T	T	A
Ethane	T	T	A	**Potassium Sulfide**	T	T	A
Ethanol	A	A	C	**Propane (liquefied)**	T	T	A
Ethanolamine	T	T	D	**Propylene**	T	T	B
Ether	T	T	D	**Propylene Glycol**	T	T	C
Ethyl Acetate	D	D	D	**Pyridine**	T	T	D
Ethyl Alcohol	A	A	T	**Pyrogallic Acid**	T	T	A
Ethyl Benzoate	T	T	D	**Resorcinal**	T	T	C
Ethyl Chloride	T	T	D	**Rosins**	T	T	C
Ethyl Ether	T	T	D	**Rum**	T	T	A
Ethyl Sulfate	T	T	T	**Rust Inhibitors**	T	T	T
Ethylene Bromide	T	T	D	**Salad Dressings**	T	T	T
Ethylene Chloride	T	T	D	**Salicylic Acid**	T	T	B
Ethylene Chlorohydrin	T	T	D	**Salt Brine (NaCl saturated)**	T	T	A
Ethylene Diamine	T	T	D	**Salt Water (25%)**	C	C	T
Ethylene Dichloride	T	T	D	**Sea Water**	A	A	A
Ethylene Glycol	T	T	A	**Shellac (Bleached)**	T	T	T
Ethylene Oxide	T	T	D	**Shellac (Orange)**	T	T	T
Fatty Acids	T	T	A	**Silicone**	T	T	A
Ferric Chloride	T	T	A	**Silver Bromide**	T	T	T
Ferric Nitrate	T	T	A	**Silver Nitrate**	T	T	A
Ferric Sulfate	T	T	A	**Soap Solutions**	T	T	A
Ferrous Chloride	T	T	A	**Soda Ash (see Sodium Carbonate)**	T	T	A
Ferrous Sulfate	T	T	A	**Sodium Acetate**	T	T	B
Fertilizer Solution	A	A	T	**Sodium Aluminate**	T	T	T
Fluoboric Acid	T	T	A	**Sodium Benzoate**	T	T	B
Fluorine	T	T	D	**Sodium Bicarbonate**	T	T	A
Fluosilicic Acid	T	T	D	**Sodium Bisulfate**	T	T	A
Formaldehyde 100%	T	T	A	**Sodium Bisulfite**	T	T	A
Formaldehyde 40%	T	T	A	**Sodium Borate (Borax)**	T	T	A
Formic Acid	T	T	A	**Sodium Bromide**	T	T	B
Freon 113	T	T	B	**Sodium Carbonate**	T	T	A

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Freon 12	T	T	A	**Sodium Chlorate**	T	T	A
Freon 22	T	T	A	**Sodium Chloride**	T	T	A
Freon TF	T	T	B	**Sodium Chromate**	T	T	T
Freonr 11	T	T	A	**Sodium Cyanide**	T	T	A
Fruit Juice	T	T	A	**Sodium Ferrocyanide**	T	T	A
Fuel Oils	A	A	A	**Sodium Fluoride**	T	T	A
Furan Resin	T	T	A	**Sodium Hydrosulfite**	T	T	C
Furfural	T	T	D	**Sodium Hydroxide (20%)**	T	T	A
Gallic Acid	T	T	B	**Sodium Hydroxide (50%)**	A	A	A
Gasoline (high-aromatic)	T	T	A	**Sodium Hydroxide (80%)**	T	T	A
Gasoline, leaded, ref.	T	T	B	**Sodium Hypochlorite (<20%)**	T	T	A
Gasoline, unleaded	T	T	C	**Sodium Hypochlorite (100%)**	T	T	B
Gelatin	T	T	B	**Sodium Hyposulfate**	T	T	T
Glucose	T	T	A	**Sodium Metaphosphate**	T	T	A
Glue, P.V.A.	T	T	C	**Sodium Metasilicate**	T	T	A
Glycerin	A	A	A	**Sodium Nitrate**	T	T	A
Glycolic Acid	T	T	B	**Sodium Perborate**	T	T	A
Gold Monocyanide	T	T	T	**Sodium Peroxide**	T	T	B
Grape Juice	T	T	A	**Sodium Polyphosphate**	T	T	A
Grease	T	T	A	**Sodium Silicate**	T	T	A
Heptane	T	T	C	**Sodium Sulfate**	T	T	A
Hexane	T	T	B	**Sodium Sulfide**	T	T	A
Honey	T	T	A	**Sodium Sulfite**	T	T	A
Hydraulic Oil (Petro)	T	T	A	**Sodium Tetraborate**	T	T	A
Hydraulic Oil (Synthetic)	T	T	A	**Sodium Thiosulfate (hypo)**	T	T	A
Hydrazine	T	T	T	**Sorghum**	T	T	T
Hydrobromic Acid 100%	T	T	A	**Soy Sauce**	T	T	T
Hydrobromic Acid 20%	T	T	B	**Stannic Chloride**	T	T	A
Hydrochloric Acid 100%	T	T	D	**Stannic Fluoborate**	T	T	T
Hydrochloric Acid 20%	A	A	A	**Stannous Chloride**	T	T	A
Hydrochloric Acid 37%	A	A	B	**Starch**	T	T	A

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Hydrochloric Acid, Dry Gas	T	T	A	**Stearic Acid**	T	T	B
Hydrocyanic Acid	T	T	B	**Stoddard Solvent**	T	T	C
Hydrocyanic Acid (Gas 10%)	T	T	A	**Styrene**	T	T	D
Hydrofluoric Acid 100%	T	T	C	**Sugar (Liquids)**	T	T	T
Hydrofluoric Acid 20%	A	A	B	**Sulfate (Liquors)**	T	T	B
Hydrofluoric Acid 50%	T	T	B	**Sulfur Chloride**	T	T	C
Hydrofluoric Acid 75%	T	T	C	**Sulfur Dioxide**	T	T	A
Hydrofluosilicic Acid 100%	T	T	B	**Sulfur Dioxide (dry)**	T	T	A
Hydrofluosilicic Acid 20%	T	T	A	**Sulfur Hexafluoride**	T	T	B
Hydrogen Gas	T	T	A	**Sulfur Trioxide**	T	T	A
Hydrogen Peroxide 10%	T	T	A	**Sulfur Trioxide (dry)**	T	T	A
Hydrogen Peroxide 100%	T	T	A	**Sulfuric Acid (<10%)**	T	T	A
Hydrogen Peroxide 30%	T	T	A	**Sulfuric Acid (10-75%)**	A	A	A
Hydrogen Peroxide 50%	T	T	A	**Sulfuric Acid (75-100%)**	T	T	D
Hydrogen Sulfide (aqua)	T	T	B	**Sulfuric Acid (cold concentrated)**	T	T	D
Hydrogen Sulfide (dry)	T	T	A	**Sulfuric Acid (hot concentrated)**	T	T	D
Hydroquinone	T	T	B	**Sulfurous Acid**	T	T	A
Hydroxyacetic Acid 70%	T	T	D	**Sulfuryl Chloride**	T	T	T
Ink	T	T	C	**Tallow**	T	T	T
Iodine	T	T	A	**Tannic Acid**	A	A	A
Iodine (in alcohol)	T	T	A	**Tanning Liquors**	T	T	A
Iodoform	T	T	A	**Tartaric Acid**	T	T	A
Isooctane	A	A	A	**Tetrachloroethane**	T	T	C
Isopropyl Acetate	T	T	D	**Tetrachloroethylene**	T	T	D
Isopropyl Ether	T	T	B	**Tetrahydrofuran**	T	T	D
Isotane	T	T	A	**Tin Salts**	T	T	A
Jet A	A	A	T	**Toluene (Toluol)**	D	D	D
Jet Fuel (JP3, JP4, JP5)	A	A	C	**Tomato Juice**	T	T	A
Kerosene	A	A	A	**Trichloroacetic Acid**	T	T	B

A = Excellent. B = Good. C = Fair. D = Severe Effect, not recommended for ANY use. T = Not Tested (See last page for more information).

Chemical	XR5	CP2K*	PVC	Chemical	XR5	CP2K*	PVC
Ketones	T	T	D	**Trichloroethane**	T	T	C
Lacquer Thinners	T	T	D	**Trichloroethylene**	T	T	D
Lacquers	T	T	D	**Trichloropropane**	T	T	T
Lactic Acid	T	T	B	**Tricresylphosphate**	T	T	D
Lard	T	T	A	**Triethylamine**	T	T	B
Latex	T	T	T	**Trisodium Phosphate**	T	T	A
Lead Acetate	T	T	B	**Turpentine**	A	A	D
Lead Nitrate	T	T	A	**Urea**	T	T	D
Lead Sulfamate	T	T	B	**Uric Acid**	T	T	A
Ligroin	T	T	T	**Urine**	T	T	A
Lime	T	T	B	**Varnish**	T	T	D
Linoleic Acid	T	T	A	**Vegetable Juice**	T	T	T
Lithium Chloride	T	T	D	**Vegetable Oil**	A	A	T
Lithium Hydroxide	T	T	T	**Vinegar**	T	T	B
Lubricants	T	T	B	**Vinyl Acetate**	T	T	D
Lye: Ca(OH)2 Calcium Hydroxide	T	T	B	**Vinyl Chloride**	T	T	D
Lye: KOH Potassium Hydroxide	T	T	B	**Water, Acid, Mine**	T	T	B
Lye: NaOH Sodium Hydroxide	T	T	A	**Water, Deionized**	T	T	A
Magnesium Bisulfate	T	T	A	**Water, Distilled**	T	T	A
Magnesium Carbonate	T	T	B	**Water, Fresh**	T	T	B
Magnesium Chloride	T	T	B	**Water, Salt**	T	T	B
Magnesium Hydroxide	T	T	A	**Weed Killers**	T	T	T
Magnesium Nitrate	T	T	A	**Whey**	T	T	T
Magnesium Oxide	T	T	T	**Whiskey & Wines**	T	T	A
Magnesium Sulfate (Epsom Salts)	T	T	A	**White Liquor (Pulp Mill)**	T	T	A
Maleic Acid	T	T	A	**White Water (Paper Mill)**	T	T	A
Maleic Anhydride	T	T	T	**Xylene**	T	T	D
Malic Acid	T	T	A	**Zinc Chloride**	T	T	B
Manganese Sulfate	T	T	C	**Zinc Hydrosulfite**	T	T	T
Mash	T	T	T	**Zinc Sulfate**	T	T	A
Mayonnaise	T	T	D				

A = Excellent. B = Good. C = Fair. D = Severe Effect, not recommended for ANY use. T = Not Tested (See last page for more information).

Ratings -- Chemical Effect

A = Excellent.

B = Good -- Minor Effect, slight corrosion or discoloration.

C = Fair -- Moderate Effect, not recommended for continuous use. Softening, loss of strength, swelling may occur.

D = Severe Effect, not recommended for ANY use.

T = Not Tested

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ULTRATECH INTERNATIONAL, INC.

Ultra-Containment Berm Foam Wall Model®

SPECIFICATIONS

KEY FEATURES AND BENEFITS

+ Foam section inside of sidewall easily compresses for convenient loading and off-loading.
+ No set-up required - simply unfold for quick deployment. Folded units require minimal storage space.
+ Standard material of construction is PVC or Copolymer 2000™.

SIDEWALLS

+ Foam compresses to allow vehicles or equipment into or out of the Berm.
+ No set-up required once Berm has been positioned in the field.

COMPLIANCE

+ EPA 40 CFR 264.175 Containment of Containers Containing Free Liquid.
+ SPCC - Spill Prevention, Control and Countermeasure Act

Copolymer 2000™ Part#	**PVC 22 oz. Part#**	**Dimensions** ft. (m) Wall Height: 4 in. (102 mm)	**Containment Capacity** gal. (L)	**Copolymer 2000™ Weight** lbs. (kg)	**PVC 22 oz. Weight** lbs. (kg)
8570	**8460**	4 x 6 (1.2 x 1.8)	59 (223)	27.0 (12.0)	21.0 (9.5)
8571	**8461**	8 x 8 (2.4 x 2.4)	159 (602)	45.0 (20.0)	40.0 (18.0)
8572	**8470**	10 x 10 (3.0 x 3.0)	249 (943)	61.0 (28.0)	51.0 (23.0)
8573	**8471**	10 x 20 (3.0 x 6.1)	498 (1,885)	101.0 (46.0)	83.0 (38.0)
8574	**8472**	10 x 30 (3.0 x 9.1)	748 (2,832)	137.0 (62.0)	118.0 (54.0)
8575	**8473**	10 x 40 (3.0 x 12.2)	997 (3,774)	177.0 (80.0)	150.0 (68.0)
8576	**8474**	10 x 50 (3.0 x 15.2)	1,246 (4,717)	217.0 (98.0)	182.0 (83.0)
8577	**8475**	12 x 12 (3.7 x 3.7)	359 (1,359)	82.0 (37.0)	63.0 (29.0)
8578	**8462**	12 x 16 (3.7 x 4.9)	478 (1,809)	97.0 (44.0)	74.0 (33.5)
8579	**8476**	12 x 20 (3.7 x 6.1)	598 (2,264)	116.0 (53.0)	88.0 (40.0)
8580	**8477**	12 x 30 (3.7 x 9.1)	897 (3,396)	159.0 (72.0)	120.0 (54.0)
8581	**8463**	12 x 35 (3.7 x 10.7)	1,047 (3,963)	184.0 (84.0)	138.0 (62.5)
8582	**8478**	12 x 40 (3.7 x 12.2)	1,196 (4,527)	203.0 (92.0)	152.0 (69.0)
8583	**8464**	12 x 50 (3.7 x 15.2)	1,496 (5,663)	249.0 (113.0)	187.0 (85.0)
8584	**8479**	12 x 60 (3.7 x 18.3)	1,795 (6,795)	293.0 (133.0)	219.0 (99.0)
8585	**8480**	12 x 72 (3.7 x 22.0)	2,154 (8,154)	348.0 (158.0)	260.0 (118.0)
8586	**8481**	15 x 15 (4.6 x 4.6)	561 (2,124)	104.0 (47.0)	86.0 (39.0)
8587	**8482**	15 x 20 (4.6 x 6.1)	748 (2,832)	132.0 (60.0)	109.0 (49.0)
8588	**8483**	15 x 30 (4.6 x 9.1)	1,122 (4,247)	182.0 (83.0)	148.0 (67.0)
8589	**8484**	15 x 40 (4.6 x 12.2)	1,496 (5,663)	232.0 (105.0)	189.0 (86.0)
8590	**8485**	15 x 50 (4.6 x 15.2)	1,870 (7,079)	281.0 (128.0)	230.0 (104.0)
8591	**8486**	15 x 66 (4.6 x 20.1)	2,468 (28,031)	362.0 (164.0)	295.0 (134.0)
8592	**8487**	15 x 72 (4.6 x 21.9)	2,692 (10,190)	393.0 (178.0)	320.0 (145.0)

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ULTRATECH INTERNATIONAL, INC.

SET UP AND HANDLING

The following guidelines are provided to ensure that you get the best results.

DEPLOYMENT:

Select a level area and be sure that ground is swept clean of debris and sharp objects. The use of a ground tarp is recommended.

Place the folded Berm at the setup location. Do not drag the folded Berm.

Unfold Berm and position as desired.

If Track Belts are being used, place these in the unit at this time.

The Foam Wall Model Berm is now ready for use.

STORAGE:

Sweep out Berm and be sure that it is dry and free of contaminates.

Store unit in clean dry environment.

REPAIR AND MAINTENANCE:

If a puncture or tear occurs, contact your distributor for a Repair Kit. Describe the damage to the service representative to ensure receipt of the proper kit.

MISCELLANEOUS:

Feel free to contact UltraTech International direct at 1-800-353-1611 for further information.

PVC MATERIAL SPECS

	English	Metric	Testing Method
Weight	22 oz./yd^2	745 g/m^2	FS 5040 / ASTM D3776
Width	up to 126"	up to 320 cm	-
Count	18 x 16/1"	7 x 7/cm	-
Denier	1300 x 1500	1430 x 1650	-
Grab Tensile	459 x 418 lbs./1"	2042 x 1859 N/2.5 cm	FS 5100 / ASTM D5034
Tongue Tear	140 x 150 lbs./1"	623 x 667 N/2.5 cm	FS 5134 / ASTM 2261
Adhesion	22 lbs./2"	98 N/5 cm	FS 5970 / ASTM D751
Finish	Matte		
Cold Crack	-30ºF	-34ºC	FS 5874 / ASTM D2136
Treatments	Anti-Mildew, UV Pigments		
Put-Up	75 yds	69 m	

COPOLYMER-2000 MATERIAL SPECS

Reinforced	English	Metric	Testing Method
Base Fabric Type	Polyester		
Base Fabric Weight (nominal)	3.0 oz/yd2	102 g/m2	
Finished Coated Weight	28.0 ± 2 oz/yd2	950 ± 70 g/m2	ASTM D751
Thickness	30 mils nominal	0.76 mm nominal	ASTM D751
Trapezoid Tear	30/30 lbf nominal	133/133 N nominal	ASTM D4533
Grab Tensile	250/200 lbf min.	1112/890 N min.	ASTM D751 Grab Method
Hydrostatic Resistance	300 psi min.	2.06 MPa min.	ASTM D751, Procedure A
Adhesion	10 lbf/in min.	9.0 daN/5 cm min.	ASTM D751 Dielectric Seam
Cold Crack	Pass @ -25° F	Pass @ -32° C	ASTM D2136 1/8 in mandrel, 4 hr.
Puncture Resistance	50 lbf typical	225 N typical	ASTM D4833
Dead Load	2 in seam, 4 hr, 1 in strip 100 lbf @ 70° F 50 lbf @ 160° F	5 cm seam, 4 hr, 2.5 cm strip 445 N @ 21° C 220 N @ 70° C	ASTM D751

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Ultra-Containment Berm®
Comparison Guide

Description (Click for more information)	**Cost**	**Drive-in/out**	**Set-up Required** (beyond initial deployment)	**Standard Height**	**Other Heights Available**	**Standard Material**	**Other Materials Available**
Collapsible Wall Model	$	-	Yes	12"	18", 24"	Copolymer-2000	PVC, XR5, Urethane
Compact Model	$$$	-	Yes	12"	-	Copolymer-2000	PVC, XR5, Urethane
Economy Model	$	-	Yes	12"	18", 24"	Copolymer-2000	PVC, XR5, Urethane
Foam Wall Model	$$	4 Sides	No	4"	2", 6"	Copolymer-2000	PVC, XR5, Urethane
Modular Model (Gorilla Berm)	$$$	4 Sides	No	6"	-	PVC 38	Copolymer-2000, XR5, Urethane
Rapid Rise	$$	4 Sides	No	12"	18"	Copolymer-2000	PVC, XR5, Urethane
Stake Wall Model	$$$	4 Sides	No	12"	-	Copolymer-2000	PVC, XR5, Urethane
Ultimate Model	$$	2 Sides	Only 2 Long Slides	12"	-	Copolymer-2000	PVC, XR5, Urethane
Containment Wall	$$$	-	Yes	36"	12", 24"	Polyethylene	Call
Mini Foam Wall Model	$	4 Sides	No	6"	-	PVC	Call

Berm Fabric Material	**Weight**	**Thickness**	**Min Temp**	**Max Temp**	**Cold Crack**	**Tear Strength**	**Puncture Resistance**
Copolymer-2000	30 oz/yd^2	30 mils nominal	-25°F	160°F	-25°F	30 lb_f nominal	50 lb_f typical
Urethane	23 oz/yd^2	25 mils nominal	-45°F	160°F	-45°F	58 lb_f nominal	750 lb_f
PVC	22 oz/yd^2	24 mils nominal	-30°F	145°F	-30°F	46 lb_f nominal	91 lb_f
XR5	30 oz/yd^2	30 mils minimum	-30°F	160°F	-30°F	55 lb_f nominal	250 lb_f minimum
PVC 38	24 oz/yd^2	38 mil	-30°F	145°F	-30°F	224 lb Warp/133 lb Fill	70 lb minimum


Collapsible Wall


Compact


Economy


Foam Wall


Modular (Gorilla)


Rapid Rise


Stake Wall


Containment Wall


Mini Foam Wall

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Ultra-Containment Berm® Foam Wall Model

Why should you choose the Foam Wall Model?

The Ultra-Containment Berm, Foam Wall Model is arguably the most versatile berm in the UltraTech line-up. It is certainly one of the most popular models, especially in the oil and gas industry.

Containment Berm models vary from each other in the way their sidewalls work. It is likely that this is where the model's popularity is rooted.

Not all Ultra-Containment Berms are designed to be driven in and out of, without any set-up or takedown of the sidewalls. The Foam Wall Model is one of four models that have this capability. But not only can it be driven over, the simplicity of this model's design (heavy-duty foam blocks encased in rugged industrial-strength material) gives it the ability to be driven into, or out of, at any angle. And the open-cell construction of the foam allows it to "rebound" quickly and maintain its original form.

This kind of versatility can be crucial depending on the site and application of the product. There may not be, after all, the flexibility for all vehicles to enter and exit in the same way at the same angle. Many sites are an ever-evolving and ever-moving amalgamation of controlled chaos.

Another advantage of the Foam Wall Model Containment Berm is there are no pieces to lose. Each foam block is encased in the Berm's material (usually Copolymer-2000 or PVC) and heat-sealed to ensure its security.

Ultra-Containment Berms and other products like them take a beating in the field. One area that is specifically susceptible to abusive wear and tear is the corners. The Foam Wall Model Containment Berm has corners that are uniquely designed so they can easily be repaired or replaced in the field. We offer corner caps to quickly re-construct and repair berms that are damaged.

A final, yet very notable, advantage for this Containment Berm is its ability to be used on just about any type of surface or soil. With the exception of the Foam Wall Model, Ultra-Containment Berms are designed with a firm surfaced location in mind (typically concrete, asphalt or some other compacted/solid surface).

When the ground of the site that requires spill containment is soft sand, soil or gravel, the Foam Wall Model is often the best solution. The foam sidewalls are able to compress under the weight of vehicles regardless of the angle the "give" of the surface below it may create.

The Ultra-Containment Berm, Foam Wall Model is offered in standard sizes with a 2" and 4" height. Other sizes and heights are also available.

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Wrong Way Wednesday

Solution

This week's picture made me want to change the name of this thing to "You've got to be kidding me Wednesday". Let's consider the problems with this "solution" in bullet form shall we? (Everyone loves bullets)

- Flimsy plastic sheeting is used to capture spills from the generator.
- The low point of said plastic sheeting is the jack that is sure to tear a hole if it hasn't already.
- Plastic sheeting is not even attached to the wooden frame.
- Even if this thing was liquid-tight, it wouldn't have enough capacity to capture everything.
- You're not using this thing for the next job.
- You've likely used up all of your DIY slip-n-slide materials.

What these guys really need is an Ultra-Containment Berm. The Foam Wall Model offers lower profile sidewalls for convenience, standard and custom sizes, and heavy-duty materials that will provide years of service.

And now you know. Happy Wednesday!

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