



P120 X-PLUG

2007

Testing & Data



Innovation from the field with precision.

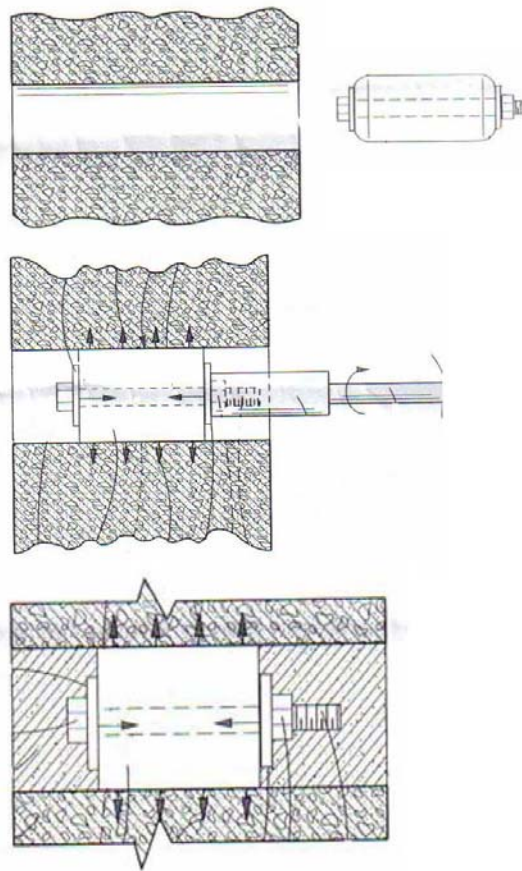
CONCRETE ACCESSORIES

P120 X-Plug™

The P120 X-Plug is a mechanical plug specifically designed to seal the void formed in a concrete wall by the removal of a tie rod. The P120 X-Plug is easily engaged into the tie rod void during ALL climates. With the P120 X-Plug's mechanical design, tightening of the metal nut causes an expansion of the plug, increasing its diameter inside the tie rod void. This action simultaneously compresses the main body plug onto the bolt to create a seal between the plug and the wall of the tie rod void. When installed properly the P120 X-Plug will withstand a hydrostatic pressure in excess of 200 ft. liquid head of water. Testing material is available upon request.

The P120 X-Plug is designed to install at fifty percent of wall thickness for varying tie sizes. P120 X-Plug can also be set for shallow depth plug placement. The P120 X-Plug is able to be installed interior/exterior or retro-fitted to repair leaks.

When recessed into wall the P120 X-Plug is also utilized as backing for grouting. *** All hardware is compression set. Hardware and main body plug are built to specifications of the application. (i.e. sizes, material)



<u>Materials</u>	<u>Hardware</u>
EPDM	304 Stainless Steel
Nitrile	
Silicone	



P120 X-Plug

P-120 X-Plug Selection Chart	
Plug Model	Taper Tie Size
P120341	3/4" - 1"
P1201114	1" - 1 1/4"
P120114112	1 1/4" - 1 1/2"



CONCRETE ACCESSORIES

Mixed Compound Physical Capability Report

(Model #)	341/1114/114112	(Room Temperature)°C	23	(Batch#)1972		
(Compound)	EPDM	(Humidity)	45%	(Test Date) 12/26/2007		
Physical Property Items	Standard	Standard	RESULTS			Remarks
			1	2	3	
(Tensile Strength)MPa	ASTM D412	10min	13.2			OK
(Elongation At Break)%	ASTM D412	250min	410			OK
(Permanent Set)%	ASTM D412		7			OK
(Tear Strength) KN/M	ASTM D624	26min	33			OK
(Hardness)Shore A	ASTM D2240	60	60	61		OK
(Density) g/cc						
(Compression set)%	ASTM D395	70MAX	34.5			OK
100%(M100)MPa						
300% (M300)MPa						
Ozone resistance 50pphm, 40°C x 24h, 20%	ASTM D1171					OK
Heat Ageing	(Change in Tensile Strength)%	ASTM D573	-20MAX	8		OK
	(Change in Elongation)%	ASTM D573	-40MAX	-15.1		OK
	(Change in Hardness)%	ASTM D573	+10MAX	+4		OK
Liquid Test						
	(Change in Tensile Strength)%					
	(Change in Elongation)%					
	(Change in Hardness)%					
	(Change in volume After Oil Immersion)%					
	(Change in weight After Oil Immersion)%					
(Change in volume After Water Immersion)%	ASTM D471	+/-5	3.5			OK

Received And Reviewed by:
Elite Products LLC.
P.O. Box 62 Nashua, IA 50658

Tester- Oliver Dene

桐乡市朗博贸易有限公司
TONGXIANG LONGBOW TRADING CO.,LTD.

Approved By:



First Article Inspection Report

Model# 341

Date 26.12.2007

Part Description Compression Parts

SPECIFICATIONS (INCLUDING TOLERANCES)

Bern.	Characteristic	Tolerance	Inspection Results		Comments
			The lowest	The highest	
1	Φ0.835	±0.008	0.831	0.834	ok
2	Φ0.22	±0.004	0.218	0.221	ok
3	1.5	±0.010	1.498	1.504	ok
Material		EPDM			
Durometer (Hardness)		60-61			
Color		Black			
Engraving (Y/N)		Y			

Inspector name: Oliver Dene

Reviewed & Approved by:
Elite Products LLC.



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CONCRETE ACCESSORIES

First Article Inspection Report

Model# 1114

Date 26.12.2007

Part Description Compression Parts

SPECIFICATIONS (INCLUDING TOLERANCES)

Bern.	Characteristic	Tolerance	Inspection Results		Comments
			The lowest	The highest	
1	Φ1.08	±0.008	1.075	1.082	ok
2	Φ0.22	±0.004	0.219	0.222	ok
3	1.5	±0.010	1.504	1.508	ok
Material		EPDM			
Durometer (Hardness)		60-61			
Color		Black			
Engraving (Y/N)		Y			

Inspector name: **Oliver Dene**

Reviewed & Approved by:
Elite Products LLC.



CONCRETE ACCESSORIES

First Article Inspection Report

Model# 114112

Date 26.12.2007

Part Description Compression Parts

SPECIFICATIONS (INCLUDING TOLERANCES)

Bern.	Characteristic	Tolerance	Inspection Results		Comments
			The lowest	The highest	
1	Φ1.32	±0.008	1.321	1.326	ok
2	Φ0.22	±0.004	0.218	0.221	ok
3	1.5	±0.010	1.504	1.508	ok
Material		EPDM			
Durometer (Hardness)		60-61			
Color		Black			
Engraving (Y/N)		Y			

Inspector name: **Oliver Dene**

Reviewed & Approved by:
Elite Products LLC.



First Article Inspection Report

Model# 5838

Date 28.06.2008

Part Description Compression Parts

SPECIFICATIONS (INCLUDING TOLERANCES)

Bern.	Characteristic	Tolerance	Inspection Results		Comments
			The lowest	The highest	
1	Φ0.6718	±0.006	0.668	0.674	ok
2	Φ0.22	±0.004	0.218	0.223	ok
3	1.5	±0.005	1.500	1.503	ok
Material		EPDM			
Durometer (Hardness)		57,58,59 Shore A			
Color		Black			
Engraving (Y/N)		Y			

Inspector name: **Andy Xue**

Reviewed & Approved by:
Elite Products LLC.



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CONCRETE ACCESSORIES

Cyclical Temperature Tests

Model# 341, 1114, 114112

Date 26.09.2007

Part Description Compression Parts

SPECIFICATIONS (INCLUDING TOLERANCES)

Model	Room Temp 72°F	Cold Temp 28° F	Hot Temp 170° F	Inspection Results		Comments
				Cold	Hot	
341	Φ0.869	0.861	0.878	-0.008	+0.009	ok
1114	Φ1.145	1.138	1.153	-0.007	+0.008	ok
114112	Φ1.343	1.341	1.364	-0.002	+0.021	ok
Material		EPDM				
Durometer (Hardness)		60-61				
Color		Black				
Engraving (Y/N)		Y				

Inspector name: Aaron Wiebke

Reviewed & Approved by:
Elite Products LLC.



P120 X-Plug Tests and Data

July 17, 2007

Report on: P120 X-Plug

Model:

#341
#1114
#114112

Procedure:

18" x 18" x 10" test blocks were poured with 4,000 psi. concrete. Each plug size had corresponding blocks with a 3/4" to 1", 1" x 1 1/4" and 1 1/4" to 1 1/2" taper tie running through the 10" dimension. A 3" x 6" nipple was cast and anchored into test blocks for pressure testing. After the concrete had set, the taper tie were removed from the test blocks, and the blocks were cured for seven days prior to testing.

The EPDM P120 X-Plug (models: 341, 1114, 114112) were put through a series of pressure/placement testing. Prior to testing, the blocks were placed in an environment in which the temperature was controlled to 50°F for 48 hours. Starting with cavity 1 thru 36 of each sized plug mold, each plug was individually inserted into the appropriate tie rod void from the high pressure side in a manner such that the plug would receive the applied pressure.

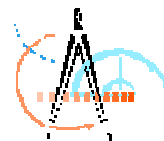
Hydrostatic pressure was applied in increments of 10psi. Test levels ranged from 10psi. to 120psi. Each pressure increment was maintained for a minimum of one half hour on all cavity molds. Each block was visually tested for cracks, water and air leakage during each pressure testing of all cavity molds.

Results of Tests:

No leakage was found after one half hour of applied pressure at each increment of 10psi. up to 120 psi. on the high pressure side of each plug.

Submitted by,

Elite Products, LLC





CONCRETE ACCESSORIES

EPDM

Chemical Resistance

Data Sheet

A-Z

Chemical	Compatibility
Acetaldehyde	A-Excellent 😊
Acetamide	A-Excellent 😊
Acetate Solvent	A-Excellent 😊
Acetic Acid	A-Excellent 😊
Acetic Acid 20%	A-Excellent 😊
Acetic Acid 80%	A-Excellent 😊
Acetic Acid, Glacial	B-Good 😊
Acetic Anhydride	B-Good 😊
Acetone	A-Excellent 😊
Acetyl Bromide	N/A
Acetyl Chloride (dry)	D-Severe Effect 😞
Acetylene	A-Excellent 😊
Acrylonitrile	D-Severe Effect 😞
Adipic Acid	A-Excellent 😊
Alcohols: Amyl	A-Excellent 😊
Alcohols: Benzyl	B-Good 😊
Alcohols: Butyl	A-Excellent 😊
Alcohols: Diacetone	A-Excellent 😊
Alcohols: Ethyl	A-Excellent 😊
Alcohols: Hexyl	C-Fair 😊
Alcohols: Isobutyl	A-Excellent 😊
Alcohols: Isopropyl	A-Excellent 😊
Alcohols: Methyl	A-Excellent 😊
Alcohols: Octyl	A-Excellent 😊
Alcohols: Propyl	A-Excellent 😊
Aluminum Chloride	A-Excellent 😊
Aluminum Chloride 20%	A-Excellent 😊
Aluminum Fluoride	A-Excellent 😊
Aluminum Hydroxide	A-Excellent 😊
Aluminum Nitrate	A-Excellent 😊
Aluminum Potassium Sulfate 10%	A-Excellent 😊
Aluminum Potassium Sulfate 100%	A-Excellent 😊
Aluminum Sulfate	A-Excellent 😊
Alums	A-Excellent 😊
Amines	B-Good 😊

Ammonia 10%	A-Excellent 😊
Ammonia Nitrate	A-Excellent 😊
Ammonia, anhydrous	A-Excellent 😊
Ammonia, liquid	A-Excellent 😊
Ammonium Acetate	A-Excellent 😊
Ammonium Bifluoride	A-Excellent 😊
Ammonium Carbonate	A-Excellent 😊
Ammonium Caseinate	N/A
Ammonium Chloride	A-Excellent 😊
Ammonium Hydroxide	A-Excellent 😊
Ammonium Nitrate	A-Excellent 😊
Ammonium Oxalate	A-Excellent 😊
Ammonium Persulfate	B-Good 😊
Ammonium Phosphate, Dibasic	A-Excellent 😊
Ammonium Phosphate, Monobasic	A-Excellent 😊
Ammonium Phosphate, Tribasic	A-Excellent 😊
Ammonium Sulfate	A-Excellent 😊
Ammonium Sulfite	A-Excellent 😊
Ammonium Thiosulfate	A-Excellent 😊
Amyl Acetate	A-Excellent 😊
Amyl Alcohol	A-Excellent 😊
Amyl Chloride	D-Severe Effect 😞
Aniline	B-Good 😊
Aniline Hydrochloride	B-Good 😊
Antifreeze	A-Excellent 😊
Antimony Trichloride	B-Good 😊
Aqua Regia (80% HCl, 20% HNO3)	C-Fair 😊
Arochlor 1248	B-Good 😊
Aromatic Hydrocarbons	D-Severe Effect 😞
Arsenic Acid	A-Excellent 😊
Arsenic Salts	N/A
Asphalt	D-Severe Effect 😞
Barium Carbonate	A-Excellent 😊
Barium Chloride	A-Excellent 😊
Barium Cyanide	A-Excellent 😊
Barium Hydroxide	A-Excellent 😊

Barium Nitrate	A-Excellent 😄
Barium Sulfate	A-Excellent 😄
Barium Sulfide	A-Excellent 😄
Beer	A-Excellent 😄
Beet Sugar Liquids	A-Excellent 😄
Benzaldehyde	A-Excellent 😄
Benzene	D-Severe Effect 😞
Benzene Sulfonic Acid	D-Severe Effect 😞
Benzoic Acid	D-Severe Effect 😞
Benzol	D-Severe Effect 😞
Benzonitrile	N/A
Benzyl Chloride	D-Severe Effect 😞
Bleaching Liquors	A-Excellent 😄
Borax (Sodium Borate)	A-Excellent 😄
Boric Acid	A-Excellent 😄
Brewery Slop	N/A
Bromine	D-Severe Effect 😞
Butadiene	C-Fair 😐
Butane	D-Severe Effect 😞
Butanol (Butyl Alcohol)	A-Excellent 😄
Butter	A-Excellent 😄
Buttermilk	A-Excellent 😄
Butyl Amine	N/A
Butyl Ether	D-Severe Effect 😞
Butyl Phthalate	B-Good 😊
Butylacetate	B-Good 😊
Butylene	D-Severe Effect 😞
Butyric Acid	B-Good 😊
Calcium Bisulfate	A-Excellent 😄
Calcium Bisulfide	C-Fair 😐
Calcium Bisulfite	D-Severe Effect 😞
Calcium Carbonate	A-Excellent 😄
Calcium Chlorate	A-Excellent 😄
Calcium Chloride	A-Excellent 😄
Calcium Hydroxide	A-Excellent 😄
Calcium Hypochlorite	B-Good 😊
Calcium Nitrate	A-Excellent 😄

Calcium Oxide	A-Excellent 😊
Calcium Sulfate	A-Excellent 😊
Calgon	A-Excellent 😊
Cane Juice	A-Excellent 😊
Carbolic Acid (Phenol)	B-Good 😊
Carbon Bisulfide	D-Severe Effect 😞
Carbon Dioxide (dry)	B-Good 😊
Carbon Dioxide (wet)	B-Good 😊
Carbon Disulfide	D-Severe Effect 😞
Carbon Monoxide	A-Excellent 😊
Carbon Tetrachloride	D-Severe Effect 😞
Carbon Tetrachloride (dry)	B-Good 😊
Carbon Tetrachloride (wet)	D-Severe Effect 😞
Carbonated Water	N/A
Carbonic Acid	B-Good 😊
Catsup	A-Excellent 😊
Chloric Acid	N/A
Chlorinated Glue	B-Good 😊
Chlorine (dry)	A-Excellent 😊
Chlorine Water	C-Fair 😊
Chlorine, Anhydrous Liquid	B-Good 😊
Chloroacetic Acid	B-Good 😊
Chlorobenzene (Mono)	D-Severe Effect 😞
Chlorobromomethane	B-Good 😊
Chloroform	D-Severe Effect 😞
Chlorosulfonic Acid	D-Severe Effect 😞
Chocolate Syrup	A-Excellent 😊
Chromic Acid 10%	C-Fair 😊
Chromic Acid 30%	B-Good 😊
Chromic Acid 5%	A-Excellent 😊
Chromic Acid 50%	B-Good 😊
Chromium Salts	N/A
Cider	A-Excellent 😊
Citric Acid	A-Excellent 😊
Citric Oils	B-Good 😊
Clorox (Bleach)	B-Good 😊
Coffee	A-Excellent 😊

Copper Chloride	A-Excellent 😊
Copper Cyanide	A-Excellent 😊
Copper Fluoborate	N/A
Copper Nitrate	N/A
Copper Sulfate >5%	A-Excellent 😊
Copper Sulfate 5%	A-Excellent 😊
Cream	N/A
Cresols	D-Severe Effect 😞
Cresylic Acid	D-Severe Effect 😞
Cupric Acid	A-Excellent 😊
Cyanic Acid	N/A
Cyclohexane	D-Severe Effect 😞
Cyclohexanone	B-Good 😊
Detergents	A-Excellent 😊
Diacetone Alcohol	A-Excellent 😊
Dichlorobenzene	D-Severe Effect 😞
Dichloroethane	N/A
Diesel Fuel	D-Severe Effect 😞
Diethyl Ether	D-Severe Effect 😞
Diethylamine	B-Good 😊
Diethylene Glycol	A-Excellent 😊
Dimethyl Aniline	B-Good 😊
Dimethyl Formamide	B-Good 😊
Diphenyl	D-Severe Effect 😞
Diphenyl Oxide	D-Severe Effect 😞
Dyes	N/A
Epsom Salts (Magnesium Sulfate)	A-Excellent 😊
Ethane	D-Severe Effect 😞
Ethanol	A-Excellent 😊
Ethanolamine	B-Good 😊
Ether	C-Fair 😊
Ethyl Acetate	B-Good 😊
Ethyl Benzoate	N/A
Ethyl Chloride	A-Excellent 😊
Ethyl Ether	D-Severe Effect 😞
Ethyl Sulfate	N/A
Ethylene Bromide	C-Fair 😊
Ethylene Chloride	D-Severe Effect 😞

Ethylene Chlorohydrin	B-Good 😊
Ethylene Diamine	A-Excellent 😄
Ethylene Dichloride	C-Fair 😐
Ethylene Glycol	A-Excellent 😄
Ethylene Oxide	C-Fair 😐
Fatty Acids	D-Severe Effect 😞
Ferric Chloride	A-Excellent 😄
Ferric Nitrate	A-Excellent 😄
Ferric Sulfate	A-Excellent 😄
Ferrous Chloride	N/A
Ferrous Sulfate	A-Excellent 😄
Fluoboric Acid	A-Excellent 😄
Fluorine	A-Excellent 😄
Fluosilicic Acid	A-Excellent 😄
Formaldehyde 100%	A-Excellent 😄
Formaldehyde 40%	A-Excellent 😄
Formic Acid	A-Excellent 😄
Freon 113	D-Severe Effect 😞
Freon 12	B-Good 😊
Freon 22	A-Excellent 😄
Freon TF	D-Severe Effect 😞
Freonr 11	D-Severe Effect 😞
Fruit Juice	N/A
Fuel Oils	D-Severe Effect 😞
Furan Resin	C-Fair 😐
Furfural	D-Severe Effect 😞
Gallic Acid	B-Good 😊
Gasoline (high-aromatic)	D-Severe Effect 😞
Gasoline, leaded, ref.	D-Severe Effect 😞
Gasoline, unleaded	D-Severe Effect 😞
Gelatin	A-Excellent 😄
Glucose	A-Excellent 😄
Glue, P.V.A.	A-Excellent 😄
Glycerin	A-Excellent 😄
Glycolic Acid	A-Excellent 😄
Gold Monocyanide	N/A
Grape Juice	A-Excellent 😄

Grease	D-Severe Effect 😞
Heptane	D-Severe Effect 😞
Hexane	D-Severe Effect 😞
Honey	A-Excellent 😊
Hydraulic Oil (Petro)	D-Severe Effect 😞
Hydraulic Oil (Synthetic)	A-Excellent 😊
Hydrazine	A-Excellent 😊
Hydrobromic Acid 100%	A-Excellent 😊
Hydrobromic Acid 20%	A-Excellent 😊
Hydrochloric Acid 100%	D-Severe Effect 😞
Hydrochloric Acid 20%	A-Excellent 😊
Hydrochloric Acid 37%	C-Fair 😐
Hydrochloric Acid, Dry Gas	N/A
Hydrocyanic Acid	B-Good 😊
Hydrocyanic Acid (Gas 10%)	A-Excellent 😊
Hydrofluoric Acid 100%	D-Severe Effect 😞
Hydrofluoric Acid 20%	D-Severe Effect 😞
Hydrofluoric Acid 50%	D-Severe Effect 😞
Hydrofluoric Acid 75%	C-Fair 😐
Hydrofluosilicic Acid 100%	A-Excellent 😊
Hydrofluosilicic Acid 20%	A-Excellent 😊
Hydrogen Gas	A-Excellent 😊
Hydrogen Peroxide 10%	A-Excellent 😊
Hydrogen Peroxide 100%	D-Severe Effect 😞
Hydrogen Peroxide 30%	B-Good 😊
Hydrogen Peroxide 50%	B-Good 😊
Hydrogen Sulfide (aqua)	B-Good 😊
Hydrogen Sulfide (dry)	B-Good 😊
Hydroquinone	D-Severe Effect 😞
Hydroxyacetic Acid 70%	A-Excellent 😊
Ink	N/A
Iodine	B-Good 😊
Iodine (in alcohol)	A-Excellent 😊
Iodoform	A-Excellent 😊
Isooctane	D-Severe Effect 😞
Isopropyl Acetate	B-Good 😊
Isopropyl Ether	D-Severe Effect 😞

Isotane	N/A
Jet Fuel (JP3, JP4, JP5)	D-Severe Effect 😞
Kerosene	D-Severe Effect 😞
Ketones	A-Excellent 😊
Lacquer Thinners	D-Severe Effect 😞
Lacquers	D-Severe Effect 😞
Lactic Acid	A-Excellent 😊
Lard	D-Severe Effect 😞
Latex	A-Excellent 😊
Lead Acetate	A-Excellent 😊
Lead Nitrate	A-Excellent 😊
Lead Sulfamate	A-Excellent 😊
Ligroin	D-Severe Effect 😞
Lime	D-Severe Effect 😞
Linoleic Acid	D-Severe Effect 😞
Lithium Chloride	A-Excellent 😊
Lithium Hydroxide	N/A
Lubricants	D-Severe Effect 😞
Lye: Ca(OH) ₂ Calcium Hydroxide	A-Excellent 😊
Lye: KOH Potassium Hydroxide	A-Excellent 😊
Lye: NaOH Sodium Hydroxide	B-Good 😊
Magnesium Bisulfate	N/A
Magnesium Carbonate	A-Excellent 😊
Magnesium Chloride	A-Excellent 😊
Magnesium Hydroxide	A-Excellent 😊
Magnesium Nitrate	A-Excellent 😊
Magnesium Oxide	N/A
Magnesium Sulfate (Epsom Salts)	A-Excellent 😊
Maleic Acid	D-Severe Effect 😞
Maleic Anhydride	D-Severe Effect 😞
Malic Acid	D-Severe Effect 😞
Manganese Sulfate	A-Excellent 😊
Mash	A-Excellent 😊
Mayonnaise	N/A
Melamine	A-Excellent 😊
Mercuric Chloride (dilute)	A-Excellent 😊

Mercuric Cyanide	A-Excellent 😊
Mercurous Nitrate	A-Excellent 😊
Mercury	A-Excellent 😊
Methane	D-Severe Effect 😞
Methanol (Methyl Alcohol)	A-Excellent 😊
Methyl Acetate	B-Good 😊
Methyl Acetone	A-Excellent 😊
Methyl Acrylate	B-Good 😊
Methyl Alcohol 10%	A-Excellent 😊
Methyl Bromide	D-Severe Effect 😞
Methyl Butyl Ketone	A-Excellent 😊
Methyl Cellosolve	B-Good 😊
Methyl Chloride	D-Severe Effect 😞
Methyl Dichloride	D-Severe Effect 😞
Methyl Ethyl Ketone	A-Excellent 😊
Methyl Ethyl Ketone Peroxide	D-Severe Effect 😞
Methyl Isobutyl Ketone	B-Good 😊
Methyl Isopropyl Ketone	C-Fair 😊
Methyl Methacrylate	D-Severe Effect 😞
Methylamine	A-Excellent 😊
Methylene Chloride	C-Fair 😊
Milk	A-Excellent 😊
Mineral Spirits	D-Severe Effect 😞
Molasses	A-Excellent 😊
Monochloroacetic acid	C-Fair 😊
Monoethanolamine	B-Good 😊
Morpholine	D-Severe Effect 😞
Motor oil	D-Severe Effect 😞
Mustard	A-Excellent 😊
Naphtha	D-Severe Effect 😞
Naphthalene	D-Severe Effect 😞
Natural Gas	D-Severe Effect 😞
Nickel Chloride	A-Excellent 😊
Nickel Nitrate	A-Excellent 😊
Nickel Sulfate	A-Excellent 😊
Nitrating Acid (<15% HNO3)	N/A
Nitrating Acid (>15% H2SO4)	A-Excellent 😊

Nitrating Acid (S1% Acid)	N/A
Nitrating Acid (S15% H2SO4)	N/A
Nitric Acid (20%)	A-Excellent 😊
Nitric Acid (50%)	D-Severe Effect 😞
Nitric Acid (5-10%)	A-Excellent 😊
Nitric Acid (Concentrated)	D-Severe Effect 😞
Nitrobenzene	B-Good 😊
Nitrogen Fertilizer	N/A
Nitromethane	B-Good 😊
Nitrous Acid	A-Excellent 😊
Nitrous Oxide	A-Excellent 😊
Oils:Aniline	B-Good 😊
Oils:Anise	N/A
Oils:Bay	N/A
Oils:Bone	N/A
Oils:Castor	B-Good 😊
Oils:Cinnamon	N/A
Oils:Citric	B-Good 😊
Oils:Clove	N/A
Oils:Coconut	D-Severe Effect 😞
Oils:Cod Liver	A-Excellent 😊
Oils:Corn	C-Fair 😐
Oils:Cottonseed	D-Severe Effect 😞
Oils:Creosote	D-Severe Effect 😞
Oils:Diesel Fuel (20, 30, 40, 50)	D-Severe Effect 😞
Oils:Fuel (1, 2, 3, 5A, 5B, 6)	D-Severe Effect 😞
Oils:Ginger	A-Excellent 😊
Oils:Hydraulic Oil (Petro)	D-Severe Effect 😞
Oils:Hydraulic Oil (Synthetic)	A-Excellent 😊
Oils:Lemon	D-Severe Effect 😞
Oils:Linseed	D-Severe Effect 😞
Oils:Mineral	D-Severe Effect 😞
Oils:Olive	D-Severe Effect 😞
Oils:Orange	N/A
Oils:Palm	A-Excellent 😊
Oils:Peanut	D-Severe Effect 😞
Oils:Peppermint	N/A
Oils:Pine	D-Severe Effect 😞

Oils:Rapeseed	A-Excellent 😊
Oils:Rosin	N/A
Oils:Sesame Seed	N/A
Oils:Silicone	A-Excellent 😊
Oils:Soybean	C-Fair 😐
Oils:Sperm (whale)	N/A
Oils:Tanning	N/A
Oils:Transformer	D-Severe Effect 😞
Oils:Turbine	A-Excellent 😊
Oleic Acid	B-Good 😊
Oleum 100%	D-Severe Effect 😞
Oleum 25%	D-Severe Effect 😞
Oxalic Acid (cold)	A-Excellent 😊
Ozone	A-Excellent 😊
Palmitic Acid	B-Good 😊
Paraffin	D-Severe Effect 😞
Pentane	D-Severe Effect 😞
Perchloric Acid	B-Good 😊
Perchloroethylene	D-Severe Effect 😞
Petrolatum	A-Excellent 😊
Petroleum	D-Severe Effect 😞
Phenol (10%)	B-Good 😊
Phenol (Carbolic Acid)	B-Good 😊
Phosphoric Acid (>40%)	B-Good 😊
Phosphoric Acid (crude)	B-Good 😊
Phosphoric Acid (molten)	N/A
Phosphoric Acid (S40%)	B-Good 😊
Phosphoric Acid Anhydride	N/A
Phosphorus	N/A
Phosphorus Trichloride	A-Excellent 😊
Photographic Developer	B-Good 😊
Photographic Solutions	A-Excellent 😊
Phthalic Acid	A-Excellent 😊
Phthalic Anhydride	A-Excellent 😊
Picric Acid	B-Good 😊
Plating Solutions, Antimony Plating 130°F	N/A
Plating Solutions, Arsenic Plating 110°F	N/A

Plating Solutions, Brass Plating: High-Speed Brass Bath 110°F	N/A
Plating Solutions, Brass Plating: Regular Brass Bath 100°F	N/A
Plating Solutions, Bronze Plating: Cu-Cd Bronze Bath R.T.	A-Excellent 😊
Plating Solutions, Bronze Plating: Cu-Sn Bronze Bath 160°F	A-Excellent 😊
Plating Solutions, Bronze Plating: Cu-Zn Bronze Bath 100°F	N/A
Plating Solutions, Cadmium Plating: Cyanide Bath 90°F	N/A
Plating Solutions, Cadmium Plating: Fluoborate Bath 100°F	N/A
Plating Solutions, Chromium Plating: Barrel Chrome Bath 95°F	N/A
Plating Solutions, Chromium Plating: Black Chrome Bath 115°F	N/A
Plating Solutions, Chromium Plating: Chromic-Sulfuric Bath 130°F	N/A
Plating Solutions, Chromium Plating: Fluoride Bath 130°F	N/A
Plating Solutions, Chromium Plating: Fluosilicate Bath 95°F	N/A
Plating Solutions, Copper Plating (Acid): Copper Fluoborate Bath 120°F	N/A
Plating Solutions, Copper Plating (Acid): Copper Sulfate Bath R.T.	N/A
Plating Solutions, Copper Plating (Cyanide): Copper Strike Bath 120°F	N/A
Plating Solutions, Copper Plating (Cyanide): High- Speed Bath 180°F	N/A
Plating Solutions, Copper Plating (Cyanide): Rochelle Salt Bath 150°F	N/A
Plating Solutions, Copper Plating (Misc): Copper (Electroless)	N/A
Plating Solutions, Copper	N/A

Plating (Misc): Copper Pyrophosphate	
Plating Solutions, Gold Plating: Acid 75°F	N/A
Plating Solutions, Gold Plating: Cyanide 150°F	N/A
Plating Solutions, Gold Plating: Neutral 75°F	N/A
Plating Solutions, Indium Sulfamate Plating R.T.	N/A
Plating Solutions, Iron Plating: Ferrous Am Sulfate Bath 150°F	N/A
Plating Solutions, Iron Plating: Ferrous Chloride Bath 190°F	N/A
Plating Solutions, Iron Plating: Ferrous Sulfate Bath 150°F	N/A
Plating Solutions, Iron Plating: Fluoborate Bath 145°F	N/A
Plating Solutions, Iron Plating: Sulfamate 140°F	N/A
Plating Solutions, Iron Plating: Sulfate-Chloride Bath 160°F	N/A
Plating Solutions, Lead Fluoborate Plating	N/A
Plating Solutions, Nickel Plating: Electroless 200°F	N/A
Plating Solutions, Nickel Plating: Fluoborate 100-170°F	N/A
Plating Solutions, Nickel Plating: High-Chloride 130-160°F	N/A
Plating Solutions, Nickel Plating: Sulfamate 100-140°F	N/A
Plating Solutions, Nickel Plating: Watts Type 115-160°F	N/A
Plating Solutions, Rhodium Plating 120°F	A-Excellent 😊
Plating Solutions, Silver Plating 80-120°F	A-Excellent 😊
Plating Solutions, Tin-Fluoborate Plating 100°F	N/A
Plating Solutions, Tin-Lead Plating 100°F	N/A
Plating Solutions, Zinc Plating: Acid Chloride 140°F	N/A

Plating Solutions, Zinc Plating: Acid Fluoborate Bath R.T.	N/A
Plating Solutions, Zinc Plating: Acid Sulfate Bath 150°F	N/A
Plating Solutions, Zinc Plating: Alkaline Cyanide Bath R.T.	N/A
Potash (Potassium Carbonate)	A-Excellent 😊
Potassium Bicarbonate	A-Excellent 😊
Potassium Bromide	A-Excellent 😊
Potassium Chlorate	A-Excellent 😊
Potassium Chloride	A-Excellent 😊
Potassium Chromate	A-Excellent 😊
Potassium Cyanide Solutions	A-Excellent 😊
Potassium Dichromate	A-Excellent 😊
Potassium Ferricyanide	A-Excellent 😊
Potassium Ferrocyanide	A-Excellent 😊
Potassium Hydroxide (Caustic Potash)	A-Excellent 😊
Potassium Hypochlorite	A-Excellent 😊
Potassium Iodide	A-Excellent 😊
Potassium Nitrate	A-Excellent 😊
Potassium Oxalate	N/A
Potassium Permanganate	A-Excellent 😊
Potassium Sulfate	A-Excellent 😊
Potassium Sulfide	A-Excellent 😊
Propane (liquefied)	D-Severe Effect 😞
Propylene	D-Severe Effect 😞
Propylene Glycol	A-Excellent 😊
Pyridine	B-Good 😊
Pyrogalllic Acid	B-Good 😊
Resorcinal	B-Good 😊
Rosins	N/A
Rum	A-Excellent 😊
Rust Inhibitors	N/A
Salad Dressings	N/A
Salicylic Acid	A-Excellent 😊
Salt Brine (NaCl saturated)	A-Excellent 😊
Sea Water	A-Excellent 😊

Shellac (Bleached)	A-Excellent 😊
Shellac (Orange)	A-Excellent 😊
Silicone	A-Excellent 😊
Silver Bromide	N/A
Silver Nitrate	A-Excellent 😊
Soap Solutions	A-Excellent 😊
Soda Ash (see Sodium Carbonate)	A-Excellent 😊
Sodium Acetate	A-Excellent 😊
Sodium Aluminate	A-Excellent 😊
Sodium Benzoate	A-Excellent 😊
Sodium Bicarbonate	A-Excellent 😊
Sodium Bisulfate	A-Excellent 😊
Sodium Bisulfite	A-Excellent 😊
Sodium Borate (Borax)	A-Excellent 😊
Sodium Bromide	A-Excellent 😊
Sodium Carbonate	A-Excellent 😊
Sodium Chlorate	A-Excellent 😊
Sodium Chloride	A-Excellent 😊
Sodium Chromate	N/A
Sodium Cyanide	A-Excellent 😊
Sodium Ferrocyanide	A-Excellent 😊
Sodium Fluoride	A-Excellent 😊
Sodium Hydrosulfite	B-Good 😊
Sodium Hydroxide (20%)	B-Good 😊
Sodium Hydroxide (50%)	B-Good 😊
Sodium Hydroxide (80%)	B-Good 😊
Sodium Hypochlorite (<20%)	B-Good 😊
Sodium Hypochlorite (100%)	B-Good 😊
Sodium Hyposulfate	N/A
Sodium Metaphosphate	A-Excellent 😊
Sodium Metasilicate	A-Excellent 😊
Sodium Nitrate	A-Excellent 😊
Sodium Perborate	A-Excellent 😊
Sodium Peroxide	A-Excellent 😊
Sodium Polyphosphate	A-Excellent 😊
Sodium Silicate	A-Excellent 😊
Sodium Sulfate	A-Excellent 😊

Sodium Sulfide	A-Excellent 😊
Sodium Sulfite	A-Excellent 😊
Sodium Tetraborate	A-Excellent 😊
Sodium Thiosulfate (hypo)	A-Excellent 😊
Sorghum	N/A
Soy Sauce	N/A
Stannic Chloride	A-Excellent 😊
Stannic Fluoborate	N/A
Stannous Chloride	C-Fair 😐
Starch	A-Excellent 😊
Stearic Acid	B-Good 😊
Stoddard Solvent	D-Severe Effect 😞
Styrene	D-Severe Effect 😞
Sugar (Liquids)	A-Excellent 😊
Sulfate (Liquors)	A-Excellent 😊
Sulfur Chloride	D-Severe Effect 😞
Sulfur Dioxide	A-Excellent 😊
Sulfur Dioxide (dry)	A-Excellent 😊
Sulfur Hexafluoride	B-Good 😊
Sulfur Trioxide	C-Fair 😐
Sulfur Trioxide (dry)	C-Fair 😐
Sulfuric Acid (<10%)	A-Excellent 😊
Sulfuric Acid (10-75%)	B-Good 😊
Sulfuric Acid (75-100%)	B-Good 😊
Sulfuric Acid (cold concentrated)	C-Fair 😐
Sulfuric Acid (hot concentrated)	D-Severe Effect 😞
Sulfurous Acid	B-Good 😊
Sulfuryl Chloride	N/A
Tallow	A-Excellent 😊
Tannic Acid	A-Excellent 😊
Tanning Liquors	B-Good 😊
Tartaric Acid	B-Good 😊
Tetrachloroethane	D-Severe Effect 😞
Tetrachloroethylene	D-Severe Effect 😞
Tetrahydrofuran	D-Severe Effect 😞
Tin Salts	B-Good 😊
Toluene (Toluol)	D-Severe Effect 😞

Tomato Juice	A-Excellent 😊
Trichloroacetic Acid	B-Good 😊
Trichloroethane	D-Severe Effect 😞
Trichloroethylene	D-Severe Effect 😞
Trichloropropane	N/A
Tricresylphosphate	A-Excellent 😊
Triethylamine	A-Excellent 😊
Trisodium Phosphate	A-Excellent 😊
Turpentine	D-Severe Effect 😞
Urea	A-Excellent 😊
Uric Acid	N/A
Urine	A-Excellent 😊
Varnish	D-Severe Effect 😞
Vegetable Juice	A-Excellent 😊
Vinegar	A-Excellent 😊
Vinyl Acetate	B-Good 😊
Vinyl Chloride	C-Fair 😊
Water, Acid, Mine	A-Excellent 😊
Water, Deionized	A-Excellent 😊
Water, Distilled	A-Excellent 😊
Water, Fresh	A-Excellent 😊
Water, Salt	A-Excellent 😊
Weed Killers	N/A
Whey	N/A
Whiskey & Wines	A-Excellent 😊
White Liquor (Pulp Mill)	N/A
White Water (Paper Mill)	N/A
Xylene	D-Severe Effect 😞
Zinc Chloride	A-Excellent 😊
Zinc Hydrosulfite	A-Excellent 😊
Zinc Sulfate	A-Excellent 😊



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CONCRETE ACCESSORIES

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