

TD.400 – TECHNICAL DATA: Industrial Coatings Chemical Resistance Guide

Revised: 3/16/2023 Version: 1.2

1 = CONSTANT IMMERSION
 3 = SECONDARY CONTAINMENT (72 HOURS)
 NR= NOT RECOMMENDED

2 = INTERMITTENT IMMERSION
 4 = SPLASH&SPILL, IMMEDIATE CLEAN UP

A = E100-VR1™ - B = E100-PT1™ & E100-UV1™ - C = E100-PT4™ - D = E100-NV4™ - E = E100-NV5™

REAGENT	A, B, C	D	E	REAGENT	A, B, C	D	E
ACETALDEHYDE	3	3	2	AMMONIUM NITRATE	3	3	2
ACETAMIDE	2	2	2	AMMONIUM PERSULFATE	3	3	2
ACETATE SOLVENT	4	4	3	AMMONIUM PHOSPHATE	3	3	2
ACETIC ACID 1-10%	3	3	2	AMMONIUM SULFATE	3	3	2
ACETIC ACID 11-25%	4	4	2	AMMONIUM SULFITE	4	4	3
ACETIC ACID 26-100%	NR	NR	3	AMYL ACETATE	3	3	2
GLACIAL ACETIC 100%	NR	NR	3	AMYL ALCOHOL	3	3	2
ACETIC ANHYDRIDE	2	2	2	AMYL CHLORIDE	2	2	2
ACETONE 90°F	4	4	4	ANILINE	4	4	3
ACETONITRILE	3	3	2	ANILINE HYDROCHLORIDE	4	4	3
ACETOPHENONE	4	4	3	ANIMAL OIL (LARD)	3	3	2
ACETYL CHLORIDE	4	4	3	ANTI-FREEZE (ALCOHOL)	4	4	2
ACETYLENE	3	3	2	ANTI-FREEZE (GLYCOL)	4	4	2
ACID MINE WATER	2	2	1	ANTIMONY TRICHLORIDE	4	4	3
ACRYLONITRILE	3	3	2	AQUA REGIA	4	4	3
ADIPIC ACID	3	3	2	AROCLOR	3	3	2
AERO LUBRIPLATE	4	4	2	AROMATIC HYDROCARBONS	4	4	4
AEROSAFE 2300	4	4	2	ARSENIC ACID	3	3	2
AEROSAFE 2300W	4	4	2	ASPHALT	2	2	1
AEROSAFE 1AC	4	4	2	ASPHALT EMULSIONS	4	4	2
AEROSHELL 17 GREASE	3	3	2	BANANA OIL	4	4	2
AEROSHELL 7A GREASE	3	3	2	BARBEQUE SAUCE	3	3	2
AEROSHELL 750	3	3	2	BARIUM CARBONATE	3	3	2
ALCOHOL(RUBBING)	4	4	2	BARIUM CHLORIDE	3	3	2
ALKALINE SOLUTIONS	3	3	2	BARIUM CYANIDE	3	3	2
ALLYL ALCOHOL	4	4	2	BARIUM HYDROXIDE	3	3	2
ALLYL CHLORIDE	3	3	2	BARIUM NITRATE	3	3	2
ALMOND OIL(ARTIFICIAL)	3	3	2	BARIUM SULFATE	3	3	2
ALUMINUM CHLORIDE	3	3	2	BARIUM SULFIDE	4	4	2
ALUMINUM				BEER	2	2	2
CHLOROHYDROXIDE	3	3	2	BEET SUGAR LIQUIDS	3	3	2
ALUMINUM FLUORIDE	3	3	2	BEET SUGAR LIQUORS	3	3	2
ALUMINUM HYDROXIDE	3	3	2	BENZALDEHYDE	3	3	2
ALUMINUM NITRATE	3	3	2	BENZENE	4	4	3
ALUMINUM POTASSIUM				BENZENE SULFONIC ACID	3	3	2
SULFATE	3	3	2	BENZOIC ACID	3	3	2
ALUMINUM SULFATE	3	3	2	BENZONITRILE	4	4	3
AMINES	3	3	2	BENZYL ALCOHOL	2	2	2
AMINOETHANOL	3	3	2	BENZYL CHLORIDE	2	2	2
AMMONIA ANHYDROUS	3	3	2	BLEACH(LIQUOR)	4	4	3
AMMONIA AQUEOUS	3	3	2	BLEACH SOLUTIONS	4	4	3
AMMONIUM BIFLUORIDE	3	3	2	BLEACH POWDER	4	4	2
AMMONIUM CARBONATE	3	3	2	BLOOD	3	3	2
AMMONIUM CHLORIDE	3	3	2	BORAX	2	2	1
AMMONIUM FLUORIDE	3	3	2	BORIC ACID	3	3	2
AMMONIUM HYDROXIDE	3	3	1	BREAK FLUID (PETROLEUM)	3	3	2
				BREAK FLUID (NON-PETROLEUM)	3	3	2
				BROMINE GAS (DRY)	NR	NR	4

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use our products for. **Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose**, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.
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BROMINE GAS WET	NR	NR	3	DE-IONIZED WATER	1	1	1
BUTADIENE	3	3	2	DETERGENT SOLUTIONS	2	2	1
BUTANE	3	3	2	DETERGENT GENERAL	2	2	2
BUTANOL	3	3	2	DIACETONE ALCOHOL	3	3	2
BUTTER	3	3	2	DIBASIC ESTER	3	3	2
BUTTERMILK	3	3	2	DIBUTYL PHTHALATE	2	2	2
BUTYL ACETATE	3	3	1	DICHLOROBENZENE	4	4	3
BUTYL AMINE	3	3	2	DICHLORODIFLUORO METHANE	4	4	3
BUTYL CELLOSOLVE	3	3	1	DICHLOROETHANE	4	4	3
BUTYL CHLORIDE	4	4	3	DICHLOROETHYLENE	3	3	2
BUTYL ETHER	3	3	2	DISOBUTYLENE	3	3	2
BUTYL PHTHALATE	3	3	2	DIESEL FUEL	1	1	1
BUTYLENE	3	3	2	DIETHYLAMINE	3	3	2
CALCIUM BISULFITE	3	3	2	DIMETHYL ANILINE	3	3	2
CALCIUM CARBONATE	2	2	1	DIMETHYL PHTHALATE	4	4	3
CALCIUM CHLORIDE	2	2	2	DIPHENYL ETHER	3	3	2
CALCIUM HYDROXIDE 30%	3	3	2	DIPHENYL OXIDE	3	3	2
CALCIUM HYPOCHLORITE	3	3	2	EPICHLOROHYDRIN DRY	4	4	3
CALCIUM NITRATE	3	3	2	ETHANE	3	3	2
CALCIUM SULFATE	3	3	2	ETHANOL	3	3	2
CANE JUICE	3	3	2	ETHANOLAMINE	3	3	2
CANE SUGAR LIQUORS	3	3	2	ETHYL ACETATE	3	3	2
CARBOLIC ACID (PHENOL)	4	4	2	ETHYL CHLORIDE WET	3	3	2
CARBON DIOXIDE	3	3	2	ETHYL ETHER	4	4	3
CARBON DISULFIDE	4	4	3	ETHER SULFATE	3	3	2
CARBON MONOXIDE	3	3	2	ETHYLENE CHLORIDE	4	4	3
CARBON TETRACHLORIDE	2	2	1	ETHYLENE GLYCOL	3	3	2
CARBONIC ACID	4	4	3	ETHYLENE OXIDE	3	3	2
CASTOR OIL	3	3	2	FATTY ACIDS	3	3	2
CATSUP	2	2	1	FERRIC CHLORIDE	3	3	2
CAUSTIC	3	3	2	FERRIC NITRATE	3	3	2
CELLOSOLVE ACETATE	3	3	2	FERRIC SULFATE	3	3	2
CELLOSOLVE BUTYL	3	3	2	FERROUS CHLORIDE	3	3	2
CELLOSOLVE	3	3	2	FERROUS SULFATE	3	3	2
CHLORINATED WATER	3	3	2	FLUOBORIC ACID	3	3	2
CHLORINE DRY	3	3	2	FLUOSILICIC ACID	4	4	3
CHLORINE WET	NR	NR	3	FORMALDEHYDE	4	4	3
CHLOROBENZENE	4	4	3	FREON DRY	4	4	3
CHLOROSULFONIC ACID				FUEL OIL	3	3	2
DILUTE	4	4	3	FURAN	2	2	1
CHOCOLATE SYRUP	4	4	2	FURFURAL	2	2	1
CHROMIC ACID DILUTE	4	4	2	GAS NATURAL	3	3	2
CIDER APPLE JUICE	3	3	2	GASOLINE AVIATION	1	1	1
CITRIC ACID CONCENTRATED	2	2	1	GASOLINE ALL	1	1	1
CLOROX BLEACH	4	4	3	GELATIN	3	3	2
COCA COLA SYRUP	3	3	2	GLUCOSE	3	3	2
COCONUT OIL	3	3	2	GLUE	3	3	2
COD LIVER OIL	2	2	1	GLYCERINE	3	3	2
COPPER CYANIDE	3	3	2	GLYCOL	3	3	2
COPPER FLUORIDE	3	3	2	GLYCOLIC ACID	3	3	2
COPPER NITRATE	3	3	2	GRAPE JUICE	3	3	2
COPPER SULFATE	3	3	2	GRAPE FRUIT OIL	3	3	2
CORN OIL	2	2	1	GREASE ALL	2	2	2
COTTONSEED OIL	2	2	1	HEPTANE	2	2	2
CREOSOTE	3	3	2	HEXANE	2	2	2
CRESYLIC ACID	3	3	2	HEXANOL TERTIARY	3	3	2
CRUDE OIL	2	2	1	HONEY	2	2	1
CEPRIC CHLORIDE	3	3	2	HYDRAULIC FLUIDS	2	2	2
CUTTING OILS ALL	3	3	2	HYDRAZINE	3	3	2
CYANIC ACID	3	3	2	HYDROCHLORIC ACID 1-37%	2	2	2
CYCLOHEXANE	2	2	1	HYDROFLUORIC ACID 1-20%	2	2	2
CYCLOHEXANOL	2	2	2	HYDROFLUPSILICIC ACID	4	4	3
CYCLOHEXANONE	4	4	3	HYDROGEN CHLORIDE GAS	3	3	2

HYDROGEN CYANIDE	3	3	2	NITRO BENZENE	NR	NR	3
HYDROGEN FLUORIDE ANHYD	4	4	3	OILS CRUDE	2	2	1
HYDROGEN GAS	3	3	2	OILS MINERAL	2	2	1
HYDROGEN PEROXIDE	4	4	3	OILS VEGETABLE	2	2	1
HYDROGEN SULFIDE	3	3	2	OILS WASTE	2	2	1
HYPOCHLOROUS ACID	4	4	3	OLEIC ACID	3	3	2
ISOCTANE	3	3	2	OLIVE OIL	3	3	2
ISOPROPANOL	1	1	1	OXALIC ACID	3	3	2
ISOPROPYL ACETATE	2	2	2	PARAFFIN	2	2	1
ISOPROPYL ALCOHOL	3	3	2	PEANUT OIL	2	2	1
JET FUEL JP4-6	2	1	1	PENTANE	3	3	2
KEROSENE	2	1	1	PETROLEUM	2	1	1
KETCHUP	2	2	1	PETROLEUM ETHER	3	3	2
KEYTONES	NR	4	4	PHOSPHORIC ACID 1-85%	4	3	2
LACQUERS	3	3	2	PHOSPHORUS TRICHLORIDE	3	3	2
LACTIC ACID 1-50%	4	4	2	PHOTOGRAPHIC SOLUTIONS	3	3	2
LARD	3	3	2	PLATING SOLUTIONS BRASS	NR	4	3
LATEX	1	1	1	PLATING SOLUTIONS CADMIUM	NR	4	3
LEAD ACETATE	2	2	1	PLATING SOLUTIONS CHROME	4	4	4
LEAD SULFAMATE	2	2	1	PLATING SOLUTIONS COPPER	4	4	2
LIME	1	1	1	PLATING SOLUTIONS GOLD	4	4	3
LINSEED OIL	2	2	1	PLATING SOLUTIONS LEAD	4	4	3
LPG PROPANE	2	2	2	PLATING SOLUTIONS NICKEL	4	3	2
LUBRICATION OIL	2	2	1	PLATING SOLUTIONS SILVER	4	3	2
LYE	2	2	1	PLATING SOLUTIONS TIN	4	3	2
M CRESOL	2	2	1	PLATING SOLUTIONS ZINC	4	3	2
MAGNESIUM CARBONATE	2	2	1	POTASSIUM ALUMINUM			
MAGNESIUM CHLORIDE	2	2	1	SULFATE	3	3	2
MAGNESIUM HYDROXIDE	2	2	1	POTASSIUM BICARBONATE	3	3	2
MAGNESIUM NITRATE	2	2	1	POTASSIUM BICHROMATE	4	4	2
MAGNESIUM SULFATE	2	2	1	POTASSIUM BROMIDE	3	3	2
MALEIC ACID	3	3	2	POTASSIUM CARBONATE	3	3	1
MALIC ACID	4	4	3	POTASSIUM CHLORATE	3	3	1
MAYONNAISE	3	3	2	POTASSIUM CHLORIDE	3	3	1
MERCURIC CHLORIDE	3	3	2	POTASSIUM CHROMATE	4	4	2
MERCURIC CYANIDE	3	3	2	POTASSIUM CYANIDE	4	4	3
MERCURIOSUS NITRATE	4	4	2	POTASSIUM DICHROMATE	4	4	3
MERCURY	3	3	2	POTASSIUM FERRICYANIDE	4	3	2
METHANOL	3	2	2	POTASSIUM FERROCYANIDE	4	3	2
METHYL ALCOHOL	4	4	3	POTASSIUM HYDROXIDE	4	3	1
METHYL AMINE	3	3	2	POTASSIUM HYPOCHLORITE	4	4	3
METHYL BROMIDE	4	4	3	POTASSIUM NITRATE	4	4	2
METHYL CELLOSOLVE	4	4	3	POTASSIUM PERMANGANATE	4	3	2
METHYL CHLORIDE DRY/WET	3	3	2	POTASSIUM SULFATE	3	3	2
METHYL ETHYL KETONE	4	4	4	POTASSIUM SULFIDE	3	3	2
METHYLENE CHLORIDE	NR	NR	NR	POTASSIUM SULFITE	3	3	2
MILK	2	2	1	PROPANE	4	3	2
MINERAL OIL	2	2	1	PROPYL ALCOHOL	3	3	2
MOLASSES	2	2	1	PROPYLENE GLYCOL	3	3	2
MONOCHLOROBENZENE	4	4	3	PYDRAUL	4	3	2
MONOETHANOLAMINE	3	3	2	PYRIDINE	4	3	2
MOTOR OIL	1	1	1	PYROGALLIC ACID	4	3	2
MURIATIC ACID	3	3	1	PYROLIGNEOUS ACID	4	4	3
MUSTARD	3	3	2	QUININE SULFATE	3	3	2
N-OCTANE	3	3	2	RESORCINOL	4	4	3
NAPHTHALENE	3	3	2	ROSIN	4	3	2
NICKEL CHLORIDE	3	3	2	RUM	4	4	2
NICKEL NITRATE	3	3	2	SALAD DRESSING	3	3	2
NICKEL SULFATE	3	3	2	SALICYLALDEHYDE	4	3	2
NITRIC ACID 1-10%	3	2	1	SALICYLIC ACID	4	3	2
NITRIC ACID 11-25%	4	3	2	SALT BRINE	2	1	1
NITRIC ACID 26-35%	4	4	3	SALT WATER	1	1	1
NITRIC ACID 36-50%	NR	NR	4	SEA WATER	1	1	1

SEWAGE	2	1	1	SULFATE LIQUOR GREEN	4	3	1
SHELLAC	4	3	2	SULFATE LIQUOR WHITE	4	3	1
SILICONE OIL	3	3	2	SULFINOL	4	4	2
SILVER BROMIDE	4	3	2	SULFUR	4	3	2
SILVER CYANIDE	NR	4	3	SULFUR CHLORIDE	4	4	3
SILVER NITRATE	4	3	2	SULFUR DIOXIDE WET	4	4	3
SKYDROL	2	1	1	SULFUR TRIOXIDE	4	3	2
SOAP SOLUTIONS	1	1	1	SULFURIC ACID 1-85%	4	3	1
SODIUM ACETATE	2	2	1	SULFURIC ACID 86-98%	NR	4	1
SODIUM ALUMINATE	3	3	2	SULFUROUS ACID	4	3	2
SODIUM ALUMINUM SULFATE	3	3	2	TALLOW	3	3	2
SODIUM BENZOATE	3	3	2	TANNIC ACID	4	3	2
SODIUM BICARBONATE	2	2	1	TANNING LIQUOR	4	3	2
SODIUM BICHROMATE	3	3	2	TAR & TAR OIL	4	3	2
SODIUM BISULFATE	3	3	2	TARTARIC ACID	4	3	2
SODIUM BISULFITE	3	3	2	TETRAHYDROFURAN	4	3	2
SODIUM BORATE	3	3	2	TETRAHYDRONAPHTHALINE	4	4	3
SODIUM BROMIDE	3	3	2	TETRAPHOSPHORIC ACID	4	4	3
SODIUM CARBONATE	4	3	2	TIN TETRACHLORIDE	4	3	2
SODIUM CHLORATE	3	3	2	TOLUENE	4	2	1
SODIUM CHLORIDE	3	3	2	TOMATO JUICE	2	2	1
SODIUM CHROMATE	4	4	3	TRANSFORMER OIL	4	3	2
SODIUM CITRATE	4	3	2	TRANSMISSION FLUID	4	3	2
SODIUM CYANIDE	4	3	2	TRIBUTYL PHOSPHATE	4	3	2
SODIUM DICHROMATE	3	3	2	TRICHLOROETHANE	4	3	2
SODIUM FERRICYANIDE	3	3	2	TRICHLOROPROPANE	4	3	2
SODIUM FLUORIDE	3	3	2	TRICHLOROTRIFLUOROETHANE	4	3	2
SODIUM HYDROXIDE	2	2	1	TRICRESYL PHOSPHATE	3	3	2
SODIUM HYPOCHLORITE	4	3	2	TRIETHANOLAMINE	4	3	2
SODIUM HYPOSULFITE	4	3	2	TRIETHYLAMINE	4	3	2
SODIUM METAPHOSPHATE	3	3	2	TRISODIUM PHOSPHATE	3	3	2
SODIUM METASILICATE	3	3	2	TUNG OIL	4	3	2
SODIUM NITRATE	4	3	2	UNDECYL ALCOHOL	4	3	2
SODIUM PERBORATE	4	4	3	UREA	4	3	2
SODIUM PEROXIDE	NR	NR	4	URINE	1	1	1
SODIUM PHOSPHATES	4	4	3	VANILLA EXTRACT	2	1	1
SODIUM SILICATE	3	3	2	VARNISH	4	3	2
SODIUM SULFATE	3	3	2	VEGETABLE JUICES	2	2	1
SODIUM SULFIDE	2	2	1	VEGETABLE OIL	2	2	1
SODIUM SULFITE	3	3	2	VINEGAR	4	3	2
SODIUM THIOSULFATE	3	3	2	VINYL ACETATE	4	3	2
SOYBEAN OIL	3	3	2	VINYL CHLORIDE	4	4	2
SOY SAUCE	3	3	2	WATER (ALL)	1	1	1
STANNIC CHLORIDE	3	3	2	WAX	1	1	1
STANNOUS CHLORIDE	3	3	2	WHISKEY	4	3	2
STARCH	3	3	2	WHITE LIQUOR	4	3	1
STEARIC ACID	4	3	2	WINE	4	3	2
STODDARD SOLVENT	4	3	3	XYLENE	4	4	3
STYRENE	4	3	2	ZINC CHLORIDE	4	3	2
SUGAR	2	2	1	ZINC SULFATE	4	3	2
SULFATE LIQUOR BLACK	4	3	1				

The chemical ratings are based on continuous immersion testing and actual field applications, and are intended to serve only as a guide. It is the user's responsibility to verify the suitability of the coating for the intended service by performing test patches.

COATING THICKNESS REQUIREMENTS:

1 = 3/16" FLOORS, 3/16 WALLS

3 = 1/8"-3/16" FLOORS, 1/8"-3/16" WALLS

2 = 1/8" FLOORS, 21 MILS WALLS

4 = 1/8" FLOORS, 21 MILS WALLS