

CHEMICAL RESISTANCE SPECIFIER

Resistance Key

The following numerical system is used to rate the resistance of Rock-Tred Products to the listed chemicals:

- 1 – Excellent
- 2 – Good
- 3 – Fair
- 4 – Occasional Spills OK
- 5 – Not Recommended for this Chemical
- 6 – Not Tested

Use this information to help determine the suitability of Rock-Tred Products in different chemical environments.

NOTE: These tests cannot duplicate actual plant conditions where abrasion, chemical combinations and housekeeping procedures may have major effects on the life of a coating system. A test patch is always the best guide to selecting a system for a particular environment.

	ROCK-CRETE-SL & TR	NOVO-POXI	CHEM-ROCK LV, MV, HV	NOVO-BRITE	CHEM-THANE 509	CHEM-THANE P100
Acetic Acid 5%	1	1	1	1	3	3
Acetic Acid 10%	2	1	2	2	3	3
Acetic Acid, Glacial	2	1	4	2	5	5
Acetone	2	1	3	2	5	5
Acrylonitrile	4	3	4	4	5	5
Aluminum Chloride <50%	1	1	1	1	2	2
Aluminum Chloride >50%	1	1	1	1	6	6
Ammonium Hydroxide < 20%	1	1	1	1	4	4
Ammonium Hydroxide > 40%	2	2	2	2	5	5
Ammonium Nitrate Sat.	1	1	1	1	3	3
Ammonium Persulfate	1	1	1	1	2	2
Ammonium Sulfate Sat.	1	1	1	1	2	2
Aniline	4	2	4	3	5	5
Alcohol, Methyl	3	2	4	3	5	5
Alcohol, Isopropyl	2	1	2	2	3	3
Amyl Acetate	1	1	1	1	2	2
Beer	1	1	1	1	1	1
Benzoic Acid	1	1	1	1	3	3

	ROCK-CRETE-SL & TR	NOVO-POXI	CHEM-ROCK LV, MV, HV	NOVO-BRITE	CHEM-THANE 509	CHEM-THANE P100
Benzene	3	2	4	4	4	4
Boric Acid 30%	1	1	1	1	1	1
Butyl Acetate	2	1	2	2	4	4
Butyl Lactate	2	1	2	2	6	6
Butyric Acid 10%	3	1	3	3	3	3
Bromine	5	1	5	3	5	5
Calcium Chloride 50%	1	1	1	1	1	1
Calcium Hydroxide Sat.	1	1	1	1	4	4
Ca Hypochlorite < 15%	1	1	2	1	4	4
Carbon Disulfide	5	5	5	5	5	5
Carbon Tetrachloride	1	1	1	1	3	3
Chlorobenzene	1	1	3	1	5	5
Chloroform	5	5	5	5	5	5
Chromic Acid 10%	1	1	1	1	3	3
Chromic Acid 20%	2	1	3	2	5	5
Citric Acid 50%	1	1	1	1	3	3
Copper Fluoroborate	1	1	1	1	6	6
Corn Oil	1	1	1	1	1	1

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	ROCK-CRETE SL & TR	NOVO-POXI	CHEM-ROCK LY, MV, HV	NOVO-BRITE	CHEM-THANE 509	CHEM-THANE P100
Cyclohexane	1	1	1	1	4	4
Cyclohexanol	1	1	1	1	6	6
Cyclohexanone	3	2	4	3	5	5
Diacetone Alcohol	1	1	1	1	2	2
Diethyl Phthalate	1	1	1	1	6	6
Diglycolic Acid	1	1	1	1	6	6
Dimethyl Phthalate	1	1	1	1	6	6
Ethyl Acetate	3	2	3	3	3	3
Ethyleneglycol	1	1	1	1	1	1
Ether	2	1	3	2	6	6
Ethylene Dichloride	4	2	5	4	5	5
Fatty Acid	1	1	1	1	3	3
Ferric Chloride	2	1	2	2	4	4
Ferrousulfate	2	1	2	2	6	6
Formaldehyde	1	1	1	1	4	4
Formic Acid < 10%	2	1	3	2	4	4
Formic Acid >10%	3	2	4	3	5	5
Fluoboric Acid	1	1	1	1	6	6
Gasoline	1	1	1	1	1	1
Glutamate	1	1	1	1	6	6
Glycerine	1	1	1	1	1	1
Glyoxal	1	1	1	1	1	1
Hydrochloric Acid 15%	1	1	1	1	3	3
Hydrochloric Acid 37%	2	1	2	2	5	5
Hydro Fluoric Acid 5%	2	1	2	2	4	4

	ROCK-CRETE SL & TR	NOVO-POXI	CHEM-ROCK LY, MV, HV	NOVO-BRITE	CHEM-THANE 509	CHEM-THANE P100
Hydro Fluoric Acid 15%	3	2	2	3	5	5
Hydrogen peroxide 10%	1	1	1	1	4	4
Hypochlorous Acid 5%	1	1	1	1	6	6
JP5 Jet Fuel	1	1	1	1	1	1
Juices, Fruit	1	1	1	1	1	1
Juices, Vegetable	1	1	1	1	1	1
Kerosene	1	1	1	1	1	1
Lactic Acid <20%	1	1	3	1	2	2
Lactic Acid 25%	2	1	3	2	3	3
Lanoline	1	1	1	1	6	6
Lard	1	1	1	1	1	1
Linseed Oil	1	1	1	1	1	1
Maleic Acid 30%	1	1	1	1	6	6
Maleic Acid 60%	2	1	3	2	6	6
Malic 50%	1	1	1	1	6	6
Mayonnaise	1	1	1	1	1	1
Methyl Ethyl Ketone	4	3	5	4	5	5
Methylisobutyl Ketone	4	3	5	4	5	5
Methyl Salicylate 50%	5	3	5	5	5	5
Methylene Chloride	5	5	5	5	5	5
Monochloro Acetic 5%	1	1	1	1	6	6
Momochloro Acetic 10%	3	2	3	3	6	6
Milk	1	1	1	1	1	1
Mineral Spirits	1	1	1	1	1	1
Mustard	1	1	1	1	3	3

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	ROCK-CRETE SL & TR	NOVO-POXI	CHEM-ROCK LY, MV, HV	NOVO-BRITE	CHEM-THANE 509	CHEM-THANE P100
Naptha	1	1	1	1	1	1
Napthalene	1	1	1	1	1	1
Nitric Acid 10%	1	1	1	1	4	4
Nitric Acid 20%	1	1	2	1	5	5
Nitric Acid 30%	2	1	3	2	5	5
Nitric Acid >40%	3	2	4	3	5	5
Oils-Cutting	1	1	1	1	1	1
Oils-Mineral	1	1	1	1	1	1
Oils-Vegetable	1	1	1	1	1	1
Oleic Acid	1	1	1	1	3	3
Oxalic Acid	1	1	1	1	6	6
Peanut Butter	1	1	1	1	1	1
Perchloroethylene	2	1	3	2	4	4
Phenol 5%	4	3	5	4	5	5
Phosphoric Acid <50%	2	1	2	2	4	4
Phosphoric Acid 70%	3	1	4	3	5	5
Phosphoric Acid Con.	4	1	5	4	5	5
Phthalic Acid	4	1	4	4	6	6
Potassium Hydroxide <40%	1	1	1	1	4	4
Pyridine	5	5	5	5	5	5
Sodium Benzoate	1	1	1	1	6	6
Sodium Bicarbonate Sat.	1	1	1	1	3	3
Sodium Bisulfate Sat.	1	1	1	1	2	2
Sodium Bisulfite Sat.	1	1	1	1	2	2
Sodium Chloride Sat.	1	1	1	1	1	1
Sodium Hydroxide 50%	1	1	1	1	3	3

	ROCK-CRETE SL & TR	NOVO-POXI	CHEM-ROCK LY, MV, HV	NOVO-BRITE	CHEM-THANE 509	CHEM-THANE P100
Sodium Hypochlorite 10%	2	1	2	2	5	5
Sodium Propionate	1	2	1	1	2	2
Sodium Sulfate Sat.	1	1	1	1	1	1
Sodium Sulfide Sat.	1	1	1	1	2	2
Skydrol	1	1	1	1	1	1
Sucrose Sol. Sat.	1	1	1	1	1	1
Succinic Acid	1	2	2	1	6	6
Sulfuric Acid 20%	1	1	1	1	4	4
Sulfuric Acid 50%	2	1	2	2	5	5
Sulfuric Acid 70%	2	1	4	2	5	5
Sulfuric Acid 98%	3	1	5	3	5	5
Tannic Acid Sat.	1	1	1	1	3	3
Tatraric Acid Sat.	1	1	1	1	6	6
Toluene	3	1	4	3	4	4
Triacetin	1	1	1	1	6	6
Trichloroethane	2	1	2	2	4	4
Trichloroethylene	5	5	5	5	5	5
Triethanolamine	1	1	1	1	3	3
Triethylene Glycol	1	1	1	1	4	4
Trisodium Phosphate	1	1	1	1	1	1
Urea	1	1	1	1	3	3
Vinegar	1	1	1	1	4	4
Water	1	1	1	1	1	1
Wine	1	1	1	1	2	2
Xylene	2	1	2	2	3	3
Zinc Nitrate	1	1	1	1	1	1

ROCK-TRED Coverage Rate Specifier

Coverage Rates of Epoxy Coatings in Gallons

Square Feet of Area to be Covered	Film Thickness Applied (mils) at 0% loss					
	10	20	30	40	50	60
100	0.625	1.250	1.875	2.500	3.125	3.750
500	3.125	6.250	9.375	12.500	15.625	18.750
600	3.750	7.500	11.250	15.000	18.750	22.500
1000	6.250	12.500	18.750	25.000	31.250	37.500
2500	15.625	31.250	46.875	62.500	78.125	93.750
5000	31.250	62.500	93.750	125.000	156.250	187.500
10000	62.500	125.000	187.500	250.000	312.500	375.000

Coverage at 231 Cubic Inches per Gallon

Joint D" x W" __ Lin. Ft. per Gal.	Joint D" x W" __ Lin. Ft. per Gal.
1/8 x 1/8 _____ 1232.0	1/2 x 1/2 _____ 77.0
1/8 x 1/4 _____ 616.0	1/2 x 5/8 _____ 61.6
1/8 x 3/8 _____ 410.7	1/2 x 3/4 _____ 51.3
1/8 x 1/2 _____ 308.0	1/2 x 7/8 _____ 44.0
1/8 x 5/8 _____ 246.4	1/2 x 1 _____ 38.5
1/8 x 3/4 _____ 205.3	
1/8 x 7/8 _____ 176.0	5/8 x 5/8 _____ 49.3
1/8 x 1 _____ 154.0	5/8 x 3/4 _____ 41.1
	5/8 x 7/8 _____ 35.2
1/4 x 1/4 _____ 308.0	
1/4 x 3/8 _____ 205.0	3/4 x 3/4 _____ 34.2
1/4 x 1/2 _____ 154.0	3/4 x 7/8 _____ 29.3
1/4 x 5/8 _____ 123.2	3/4 x 1 _____ 25.7
1/4 x 3/4 _____ 102.7	
1/4 x 7/8 _____ 88.0	7/8 x 7/8 _____ 25.1
1/4 x 1 _____ 77.0	7/8 x 1 _____ 22.0
	1 x 1 _____ 19.3
3/8 x 3/8 _____ 136.9	
3/8 x 1/2 _____ 102.7	
3/8 x 5/8 _____ 82.1	
3/8 x 3/4 _____ 68.4	
3/8 x 7/8 _____ 58.7	
3/8 x 1 _____ 51.3	