



## CHEMICAL RESISTANCE CHART

## DURAL EPOXY COATINGS

## KEY

LT = Long Term Exposure

72 = 72 Hour Exposure

SS = Splash and Spill with Daily Clean-up

TS = Contact Technical Service

NR = Not Resistant

*Duraltex*  
*Duralkote 240*  
*Duraltex 1705*  
*Duraltex 1707*  
*Duraltex 1805*  
*Duraltex 1807*

## CHEMICALS

CHEMICALS	<i>Duraltex</i>	<i>Duralkote 240</i>	<i>Duraltex 1705</i>	<i>Duraltex 1707</i>	<i>Duraltex 1805</i>	<i>Duraltex 1807</i>
Acetaldehyde	NR	NR	NR	NR	SS	SS
Acetic Acid - 10%	SS	SS	72	72	72	72
Acetic Acid - 10%-50%	SS	SS	SS	SS	SS	SS
Acetic Acid 50% to Glacial (100%)	NR	NR	NR	NR	SS	SS
Acetic Anhydride	NR	NR	NR	NR	SS	SS
Acetone- 10%	72	72	72	72	72	72
Acetone- 100%	SS	SS	72	72	72	72
Acrylic Acid - 100%	NR	NR	NR	NR	NR	NR
Adipic Acid - 25%	SS	SS	72	72	72	72
Allyl Alcohol	SS	SS	SS	SS	SS	SS
Allyl Chloride	NR	NR	SS	SS	72	72
Aluminum Bromide	72	72	LT	LT	LT	LT
Aluminum Chloride	72	72	LT	LT	LT	LT
Aluminum Nitrate (Saturated)	72	72	LT	LT	LT	LT
Aluminum Sulfate	72	72	LT	LT	LT	LT
Ammonium Bisulfite	72	72	LT	LT	LT	LT
Ammonium Chloride	72	72	LT	LT	LT	LT
Ammonium Fluoride	72	72	LT	LT	LT	LT
Ammonium Hydroxide - 20%	LT	LT	LT	LT	LT	LT
Ammonium Hydroxide - 38%	LT	LT	LT	LT	LT	LT
Ammonium Lauryl Sulfate - 30%	72	72	72	72	72	72
Ammonium Nitrate	LT	LT	LT	LT	LT	LT
Ammonium Persulfate	LT	LT	LT	LT	LT	LT
Ammonium Sulfate	LT	LT	LT	LT	LT	LT
Ammonium Sulfide	LT	LT	LT	LT	LT	LT
Ammonium Sulfite	LT	LT	LT	LT	LT	LT
Amyl Acetate	NR	NR	72	72	72	72
Amyl Alcohol	72	72	LT	LT	LT	LT
Aniline	NR	NR	NR	NR	NR	NR
Barium Chloride	LT	LT	LT	LT	LT	LT
Barium Hydroxide	LT	LT	LT	LT	LT	LT
Barium Sulfate	LT	LT	LT	LT	LT	LT



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Barium Sulfide	LT	LT	LT	LT	LT	LT
Beer	LT	LT	LT	LT	LT	LT
Benzerte Sulfonic Acid 50-100%	TS	SS	SS	SS	72	72
Benzyl Alcohol	72	72	72	72	72	72
Benzoic Acid (Saturated)	72	72	72	72	72	72
Benzoyl Chloride	72	72	72	72	72	72
Benzyl Chloride	NR	NR	NR	NR	SS	SS
Black Liquor (Paper)	TS	TS	TS	TS	TS	TS
Bleach - 5%	LT	LT	LT	LT	LT	LT
Boric Acid (Saturated)	72	72	72	72	72	72
Brake Fluid	72	72	LT	LT	LT	LT
Brine	LT	LT	LT	LT	LT	LT
Bromine Water - 5%	LT	LT	LT	LT	LT	LT
Butanol Normal	72	72	72	72	72	72
Butyl Acetate	SS	SS	72	72	LT	LT
Butyl Acrylate	TS	TS	SS	SS	72	72
Butyl Amine	TS	TS	TS	TS	TS	TS
Butyl Carbitol	SS	SS	72	72	72	72
Butyl Carbitol Acetate	72	72	72	72	72	72
Butyl Cellosolve	SS	SS	72	72	72	72
Butyl Cellosolve Acetate	72	72	SS	SS	SS	SS
Butyl Ether	SS	SS	SS	SS	SS	SS
Butyric Acid - 100%	NR	NR	NR	NR	NR	NR
Cadmium Chloride	LT	LT	LT	LT	LT	LT
Calcium Bisulfite	72	72	LT	LT	LT	LT
Calcium Chloride	LT	LT	LT	LT	LT	LT
Calcium Hydroxide	72	72	LT	LT	LT	LT
Calcium Hypochlorite - 5%	72	72	LT	LT	LT	LT
Calcium Nitrate	LT	LT	LT	LT	LT	LT
Calcium Sulfate	LT	LT	LT	LT	LT	LT
Calcium Sulfite	LT	LT	LT	LT	LT	LT
Carbolic Acid (Phenol) - 88%	TS	TS	TS	TS	TS	TS



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Carbon Tetrachloride	NR	NR	SS	SS	72	72
Castor Oil	72	72	LT	LT	LT	LT
Cellosolve	SS	SS	SS	SS	72	72
Cellosolve Acetate	SS	SS	SS	SS	LT	LT
Chlorine Water- Saturated	72	72	TS	TS	LT	LT
Chlorobutane	TS	TS	SS	SS	LT	LT
Chloroform	TS	NR	SS	SS	72	72
Chlorophenol	NR	NR	SS	SS	72	72
Chlorosulfonic Acid	TS	TS	NR	NR	SS	SS
Chlorotoluene	TS	TS	TS	TS	TS	TS
Chromic Acid - 10%	SS	SS	72	72	LT	LT
Chromic Chloride	SS	SS	72	72	LT	LT
Citric Acid	SS	SS	72	72	LT	LT
Copper Chloride	72	72	72	72	LT	LT
Copper Nitrate	72	72	72	72	LT	LT
Copper Sulfate	72	72	72	72	LT	LT
Com Oil	LT	LT	LT	LT	LT	LT
Cottonseed Oil	LT	LT	LT	LT	LT	LT
Cresol (Cresylic Acid)	TS	TS	SS	SS	72	72
Cresylic Acid	TS	TS	TS	TS	TS	TS
Cumene	TS	TS	72	72	LT	LT
Cyclohexane	72	72	72	72	72	72
Cyclohexanone	72	72	72	72	72	72
Cymene	TS	TS	TS	TS	TS	TS
Dextrose	72	72	72	72	72	72
Dibromopropane Phosphate	TS	TS	TS	TS	TS	TS
Dibutyl Phthalate	SS	SS	72	72	LT	LT
Dichloro Acetic Acid - 20%	NR	NR	NR	NR	72	72
Diethanolamine	NR	NR	SS	SS	72	72
Diethylene Chloroformate	TS	TS	SS	SS	72	72
Diethylketone- 100%	TS	TS	SS	SS	SS	SS
Dimethyl Aniline	TS	TS	SS	SS	SS	SS



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CHEMICALS	Duraltex	Duralkote 240	Duraltex 1705	Duraltex 1707	Duraltex 1805	Duraltex 1807
Dimethyl Carbamoyl Chloride	NR	SS	TS	TS	TS	TS
Dimethyl Carbonyl Chloride	TS	TS	TS	TS	TS	TS
Dimethyl Sulfoxide	NR	NR	NR	NR	SS	SS
Dodecyl Alcohol (Lauryl)	TS	SS	72	72	TS	TS
Ethoxylated Nonyl Phenol	SS	SS	72	72	LT	LT
Ethyl Acetate	SS	SS	72	72	72	72
Ethyl Acrylate	SS	SS	72	72	72	72
Ethyl Alcohol	SS	SS	72	72	72	72
Ethyl Bromide	SS	SS	72	72	72	72
Ethyl Chloride	NR	NR	NR	NR	TS	TS
Ethyl Ether	NR	NR	NR	NR	TS	TS
Ethylene Dichloride	NR	NR	NR	NR	TS	TS
Ethyene Glycol	72	72	LT	LT	LT	LT
Ethyl Sulfate	TS	TS	TS	TS	TS	TS
Fluosilicic Acid - 25%	TS	TS	TS	TS	TS	TS
Formaldehyde	72	72	72	72	72	72
Gasoline	72	72	72	72	72	72
Aviation	72	72	72	72	LT	LT
Diesel	72	72	LT	LT	LT	LT
Jet Fuel	72	72	LT	LT	LT	LT
Premium Unleaded	72	72	72	72	72	72
Unleaded	72	72	72	72	72	72
Glucose	LT	LT	LT	LT	LT	LT
Glycerine	LT	LT	LT	LT	LT	LT
Grape Juice	LT	LT	LT	LT	LT	LT
Heptane	72	72	72	72	LT	LT
Hexane	72	72	72	72	LT	LT
Hydrazine - 35%	NR	NR	TS	TS	TS	TS
Hydrazine Hydrate	TS	TS	TS	TS	TS	TS
Hydriodic Acid - 20%	TS	TS	SS	72	LT	LT
Hydrobromic Acid - 20%	TS	TS	72	72	LT	LT
Hydrochloric Acid - 10%	LT	LT	72	72	LT	LT



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Hydrochloric Acid - 20%	72	72	72	72	LT	LT
Hydrochloric Acid - 37%	SS	SS	72	72	LT	LT
Hydrofluoric Acid - 1-10% *	SS	SS	72	72	LT	LT
Hydrofluoric Acid - 20% *	SS	SS	SS	SS	SS	SS
Hydrofluoric Acid - 21-48%	NR	NR	NR	NR	SS	SS
Hydrogen Peroxide - 30%	SS	SS	72	72	72	72
Isophorone	TS	SS	TS	TS	72	72
Isopropyl Acetate	SS	SS	72	72	LT	LT
Isopropyl Alcohol	SS	SS	72	72	72	72
Jet Fuel JP-4	72	72	72	72	72	72
Kerosene	72	72	LT	LT	LT	LT
Ketchup	LT	LT	LT	LT	LT	LT
Lard	LT	LT	LT	LT	LT	LT
Lauric Acid	TS	TS	SS	SS	72	72
Lauryl Chloride	TS	TS	SS	SS	72	72
Lead Acetate	SS	SS	72	72	LT	LT
Lechitin	TS	TS	TS	TS	TS	TS
Levulinic Acid (Saturated)	TS	TS	TS	TS	TS	TS
Linseed Oil	LT	LT	LT	LT	LT	LT
Lithium Hydroxide - 10%	72	72	72	72	72	72
Lithium Hydroxide (Saturated)	72	72	72	72	72	72
Maleic Acid	SS	SS	72	72	LT	LT
Malic Acid	SS	SS	72	72	LT	LT
Methanol- 100%	NR	NR	SS	SS	72	72
Methyl Acetate	NR	NR	SS	SS	72	72
Methylene Chloride	NR	NR	NR	NR	TS	TS
N-Methyl Pyrrolidone	NR	NR	NR	NR	TS	TS
Methyl-Ethyl Ketone	SS	SS	SS	SS	72	72
Methyl Oleate	SS	SS	72	72	LT	LT
Methyl Isobutyl Ketone	SS	72	SS	SS	72	72
Milk- Fresh and Sour	LT	LT	LT	LT	LT	LT
Mineral Spirits	72	72	LT	LT	LT	LT



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CHEMICALS	Duraltex	Duralkote 240	Duraltex 1705	Duraltex 1707	Duraltex 1805	Duraltex 1807
Molasses	LT	LT	LT	LT	LT	LT
Naphtha - Aliphatic	72	72	72	72	72	72
Nitric Acid - 5%	72	72	LT	LT	LT	LT
Nitric Acid- 10%	72	72	LT	LT	LT	LT
Nitric Acid - 25%	SS	SS	SS	72	72	72
Nitric Acid - 40%	TS	TS	SS	SS	72	72
Nitric Acid - 60%	NR	NR	SS	SS	72	72
Nitric Acid - 73%	NR	NR	NR	NR	TS	TS
Nitrobenzene	TS	TS	TS	TS	SS	SS
Nitromethane	TS	TS	TS	TS	TS	TS
Octanol	SS	SS	SS	SS	72	72
Oils						
Sour Crude Petroleum	72	72	LT	LT	LT	LT
Animal	72	72	LT	LT	LT	LT
Mineral	72	72	LT	LT	LT	LT
Vegetable	72	72	LT	LT	LT	LT
Oleic Acid	TS	TS	TS	TS	TS	TS
Oxalic Acid (Saturated)	SS	SS	72	72	LT	LT
Para Xylene	72	72	72	72	72	72
Pelargonic Acid	TS	TS	TS	TS	TS	TS
Perchloric Acid - 30%	SS	SS	SS	SS	72	72
Perchloroethylene	TS	TS	TS	TS	TS	TS
Phenol - 5%	SS	SS	72	72	72	72
Phenol - 85%	NR	NR	TS	TS	TS	TS
Phosphoric Acid - 20%	72	72	LT	LT	LT	LT
Phosphoric Acid - 50%	SS	SS	72	72	LT	LT
Phosphoric Acid - 85%	NR	NR	72	72	LT	LT
Polyacrylic Acid - 50%	SS	SS	72	72	LT	LT
Potassium Acetate	72	72	72	72	LT	LT
Potassium Bichromate	SS	SS	72	72	72	72
Potassium Bromide	SS	SS	72	72	72	72
Potassium Carbonate - 25%	SS	SS	72	72	72	72



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Potassium Chlorate	SS	SS	72	72	72	72
Potassium Chloride	SS	SS	72	72	72	72
Potassium Cyanide	TS	TS	72	72	LT	LT
Potassium Fluoride	SS	SS	72	72	LT	LT
Potassium Hydroxide- 10%	72	72	LT	LT	LT	LT
Potassium Hydroxide - 50%	72	72	LT	LT	LT	LT
Propanediol	72	72	72	72	72	72
Propionic Acid - 100%	TS	TS	TS	TS	TS	TS
Propylene Glycol	72	72	LT	LT	LT	LT
Pyridine	NR	NR	TS	TS	TS	TS
Salicylic Acid	SS	SS	72	72	LT	LT
Salt Brine	LT	LT	LT	LT	LT	LT
Skydrol	72	72	72	72	LT	LT
Sodium Acetate	72	72	72	72	LT	LT
Sodium Bicarbonate	72	72	72	72	LT	LT
Sodium Bisulfate	72	72	72	72	LT	LT
Sodium Bisulfite	72	72	72	72	LT	LT
Sodium Bromate	72	72	72	72	LT	LT
Sodium Chloride	72	72	72	72	LT	LT
Sodium Chromate	72	72	72	72	LT	LT
Sodium Chlorate	72	72	72	72	72	72
Sodium Cyanide - 15%	72	72	LT	LT	LT	LT
Sodium Bromate	72	72	72	72	LT	LT
Sodium Chloride	72	72	72	72	LT	LT
Sodium Chromate	72	72	72	72	LT	LT
Sodium Chlorate	72	72	72	72	72	72
Sodium Cyanide - 15%	72	72	LT	LT	LT	LT
Sodium Dichromate	72	72	72	72	72	72
Sodium Fluoride	72	72	72	72	72	72
Sodium Hydrosulfide - 45%	SS	SS	72	72	LT	LT
Sodium Hydroxide- 10%	LT	LT	LT	LT	LT	LT
Sodium Hydroxide - 50%	LT	LT	LT	LT	LT	LT



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Sodium Hypochlorite - 3%	72	72	72	72	72	72
Sodium Hypochlorite - 17%	SS	SS	SS	SS	72	72
Sodium Lauryl Sulfate - 20%	TS	TS	TS	TS	TS	TS
Sodium Oxalate	72	72	72	72	72	72
Sodium Polymethacrylate	72	72	LT	LT	LT	LT
Sodium Sulfate	72	72	72	72	LT	LT
Sodium Sulfite	72	72	72	72	LT	LT
Sodium Tartrate	72	72	72	72	LT	LT
Soybean Oil	72	72	72	72	LT	LT
Stearic Acid	72	72	72	72	LT	LT
Styrene	72	72	72	72	LT	LT
Sugar	LT	LT	LT	LT	LT	LT
Sulfamic Acid - 25%	72	72	72	72	LT	LT
Sulfuric Acid - 10%	72	72	LT	LT	LT	LT
Sulfuric Acid - 25%	72	72	LT	LT	LT	LT
Sulfuric Acid - 50%	72	72	72	72	LT	LT
Sulfuric Acid - 70%	SS	SS	72	72	LT	LT
Sulfuric Acid - 98%	NR	NR	NR	NR	LT	LT
Tall Oil	72	72	72	72	LT	LT
Tartaric Acid	72	72	72	72	LT	LT
Tetrachoroethane .	NR	NR	TS	TS	TS	TS
Tetrachloroethylene	SS	SS	TS	TS	72	72
Tetrahydrofuran	TS	TS	TS	TS	TS	TS
Tetrahydrofurfuryl Alcohol	TS	TS	TS	TS	72	72
Thionyl Chloride	TS	TS	TS	TS	TS	TS
Thionyl Chloride - Water Solution*	TS	TS	TS	TS	TS	TS
Toluol	SS	SS	72	72	72	72
Toluene Sulfonic Acid	SS	SS	TS	TS	TS	TS
Toluidine	TS	TS	TS	TS	TS	TS
Triethylamine	TS	TS	TS	TS	TS	TS
Triethylenetetramine	TS	TS	TS	TS	TS	TS
Triethyl Phosphite	TS	TS	TS	TS	TS	TS





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Trichloroacetic Acid - 20%	SS	SS	TS	TS	72	72	
Trichlorobenzene (1,2,4-)	TS	TS	TS	TS	TS	TS	
Tnchloroethane	SS	SS	TS	TS	TS	TS	
Trichloroethylene	SS	SS	TS	TS	TS	TS	
Tricresyl Phosphate- 100%	SS	SS	TS	TS	TS	TS	
Trisodium Phosphate (Saturated)	72	72	72	72	72	72	
Turpentine	72	72	72	72	72	72	
Urea Solutions	SS	SS	72	72	LT	LT	
Vinegar	SS	SS	SS	SS	SS	SS	
Vinyl Chloride	TS	TS	TS	TS	TS	TS	
Water, Distilled & Demineralized	LT	LT	LT	LT	LT	LT	
Water, Deionized	LT	LT	LT	LT	LT	LT	
White Liquor (Paper Industry)	TS	TS	TS	TS	TS	TS	
Wine	LT	LT	LT	LT	LT	LT	
Xylol/Xylene	72	72	72	72	72	72	
Zinc Plating - Acid Fluoborate	TS	TS	TS	TS	TS	TS	
Zinc Plating - Cyanide	TS	TS	TS	TS	TS	TS	
Zinc Plating - Acid Sulfate	TS	TS	TS	TS	TS	TS	

This data should only be used as a guide. It is advisable to test the material under actual use conditions or, at minimum, simulated service conditions before specification or use.