

Dur-A-Flex Chemical Resistance Data

This data is based on the application of listed materials to the top surface of the flooring

Chemical Name	% Conc.	Epoxies					Urethanes					Acrylics
		Dur-A-Gard	Glaze #4	Novolac	Ultra Clear	Armor Top	ACCELERA	Glaze #5	Poly-Thane 2 HS	Poly-Crete HF, MD, TF Plus	Poly-Crete Color Fast	MMA
Acetic Acid	10%	R	R	R	R	R	R	R	R	R	R	R
Acetic Acid	30%	S	S	R	R	RS	RS	S	S	R	RS	S
Acetic Acid	50%	N	N	R	N	RS	RS	S	S	S	RS	N
Acetic Acid, 3%, and Propionic Acid		R	R	R	R	R	R	R	R	R	R	R
AC-103	100%	R	R	R	S	R	S	S	R	R	S	R
Acetone		N	N	N	N	R	R	S	R	R	R	N
ACP-99 Ketone		N	N	S	N				R			N
Alum	48%	N	N	R	N				S	S		R
Aminoethanolamine		RS	RS	RS	RS				RS	R		RS
Ammonia	30%	R	R	R	R	R	R	R	R	R	R	R
Ammonium Hydroxide	30%	R	R	R	R	R	R	R	R	R	R	S
Antifreeze		R	R	R	R	R	R	R	R	R	R	R
Aromatic 100		S	S	R	S				R	S		
Aromatic hydrocarbons-Super Hiflash 100		S	S	R	S				R	S		
Benzene		N	N	S	N				R	N		N
Benzyl Alcohol	Photo	S	S	R	S	R	N	S	R	S	S	N
Betadine		RS	SS	RS	SS	RS	R	SS	RS	RS	RS	RS
Boric Acid	4%	R	R	R	R			R	R	R		R
Brake Fluid, DOT 3		S	S	S	S	R	RS		R	S	N	R
Butanol/Methyl Cellosolve		N	N	S	N				R	N		N
Butyl Alcohol		S	S	R	S				R	S		N
Butyl Carbitol		S	S	R	S				R			N
Butyl Cellosolve		N	N	S	N				R			N
Butyl Cellosolve acetate		N	N	S	N				R			N
Carbon Tetrachloride		R	R	R	R				R			N
Caustic Soda solution		R	R	R	R	R	R	N	R	R	R	R
Chlorine Bleach 2000		R	S	R	S	R	R	R	R	RS	R	R
Chromic Acid	10%	RS	RS	RS	SS	RS	RS	SS	RS	RS	RS	RS
Chromic Acid	40%	N	N	RS	N	R	R	SS	SS	SS		SS
ChlorPrep One-Step	2%	RS	R	RS	RS	RS	R	R	R	RS	RS	R
CIP 100 Cleaner	100%	S	R	R	R	R	R	S	R	R	R	R
CIP 200 Cleaner	100%	SS	SS	SS	SS	S	SS	SS	SS	SS	SS	SS
CIP 220 Cleaner	100%	N	N	N	N	SS	R	SS	R	RS	RS	R
CIP 300 Cleaner	100%	R	R	R	R	R	R	R	R	R	R	R
Citric Acid	10%	R	R	R	R	R		R	R	R	R	R
Citric Acid	20%	R	R	R	R	R		R	R	R	R	R
Citric Acid	50%	N	N	R	N	R		S	R	R	R	R
Clorox	10%	R	R	R	R	R	R	S	R	R	R	R
Coffee		RS	RS	R	RS	R	R	RS	R	R	R	R
Cola	90C	N	N	SS	N	RS	RS	RS	RS	RS	RS	RS
Cola	RT	S	S	R	S	R	R	R	R	R	R	R
Copper Sulfate		RS	RS	RS	RS				RS	RS		RS
Cupric Chloride		RS	RS	RS	RS				RS	RS		RS
Cyclohexanone		S	S	R	S				R	S		R
Detergent, heavy duty		R	R	R	R	R			R	R	R	R
Diacetone alcohol		N	N	S					R			N
Dimethyl ethanol amine		RS	RS	RS	RS				RS			
Dimethylamineborane		RS	RS	RS	RS				RS			
DMF		N	N	N	N	R	R	RS	R	N	RS	RS
Docosanic Acid (in ethanol)	2.50%	N	N	R	N				R	N		
Drano- (sodium hydroxide and aluminum)		S	S	R	S	R			R	R	R	
DuraPrep		N	SS	N	SS	SS	SS	SS	SS	RS	RS	SS
Eco-lab AC-3 Cleaner		N	N	R	N	SS	RS	N	SS	SS	N	RS
Eco-Lab Wash & Walk 14278		RS		RS		RS				RS	RS	
Eco-Lab Neutral Disinfectant Cleaner (NDC)	100%	R	SS	SS	SS	R	R	R	R	SS	SS	R
Eco-Lab Neutral Disinfectant Cleaner (NDC)	0.5oz/Gal	R	SS	R	SS	R	R	R	R	SS	SS	R
EEP solvent		N	N	S	N	R			R	N	S	N
Enforce LP (6000 ppm)		R	RS	R	R	S	R	R	R	S	S	R
Envirocid	100%	N	N	N	N	N	RS	N	SS	RS	N	N
Ethanol	95%	N	N	S	N	R	R	S	R	S		S
Ethyl Acetate	99%	N	N	S	N				R	S	S	S
Excellerate Cleaner		R	RS	R	R	R	R	R	R	R	R	R
Fluoboric Acid		S	S	R	S				R			
Formaldehyde	37%	SS	SS	RS	SS	RS	RS	RS	RS	RS	RS	RS
Gasoline		R	R	R	R	R	R	R	R	R	R	R
Glycol Ether		N	N	S	N				R			R
Heating Oil-Home		R	R	R	R	R	R	R	R	R	R	R
Heptanoic Acid	96%			S		RS		N			N	
Hexane		N	N	S	N	R	R	R	R	R	R	R
Hydraulic fluids		R	R	R	R	R	R	R	R	R	R	R
Hydrochloric Acid	5%	RS	RS	R	RS	R	R	SS	R	R	R	R
Hydrochloric Acid	20%	RS	RS	RS	RS	RS	R	N	RS	RS	RS	RS
Hydrochloric Acid	37%	N	N	RS	N	RS	RS	N	SS	RS	SS	RS
Hydrofluoric Acid	10%	N	N	RS	N	N		N	SS	SS	SS	SS
Hydrofluoric Acid	40%	N	N	N	N	N		N	N	N	N	N
Hydrofluosilic Acid	30%	R	R	R	R	RS		RS	R	R	R	R
Hydrogen Peroxide	25%	S	S	R	S	RS	RS	S	R	R	R	R
Hydrogen Peroxide	50%	N	N	R	S	RS	RS	N	R	R	N	R
Hydrogen Peroxide (VHP)	560ppm			R		RS	R	RS	R			R
Iodine Tincture	2%	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Isopropanol		S	S	R	S	R	R	R	R	S	R	S
Isopropyl Acetate	99%	S	S	R	S				R	S		N
Jet Fuel		R	R	R	R	R	R	R	R	R	R	R
Lactic Acid	10%	N	N	R	N	R	RS	S	N	R	R	R
Lactic Acid	30%	N	N	R	N	S	SS	N	N	R	R	R
Lactic Acid	88%	N	N	R	N	N	N	N	N	R	S	R
Magnesium Hydroxide		R	R	R	R				R	R		R

Key: R = Resistant/Recommended N = Not recommended for exposure to material due to coating degradation RS = Resistant - will not degrade coating but will stain
 S = Splashes and spills must be cleaned from surface within 24 hours to avoid coating degradation and staining
 SS = Splashes and spills must be cleaned from surface within 24 hours to avoid coating degradation but it will leave stain

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MEK		N	N	N	N	R	R	S	S	N	S	N
Methacrylate Monomer		S	S	S	S	R	R	N	S	N	N	N
Methanol		N	N	N	N	R	R	S	R	N	S	N
Methyl Cellosolve		N	N	N	N				R		S	N
Methyl dipropasol solvent		N	N	R	N				R		S	N
Methylene chloride		N	N	N	N				N	N	S	N
MIBK		N	N	S	N	R	R	SS	R	N	N	N
Mineral Oil		R	R	R	R	R	R	R	R	R	R	R
Mineral Spirits		S	S	R	S	R	R	R	R	R	R	R
Monoethanolamine		RS	RS	RS	RS				RS			
Motor Oil		R	R	R	R	R	R	R	R	R	R	R
Mustard, yellow		RS	RS	RS	N	RS	R	R	RS	RS	RS	R
Nickel chloride		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Nickel Sulfate		RS	RS	RS	RS	RS	RS	RS	RS	RS	RS	RS
Nitric Acid	10%	SS	SS	R	SS	RS	RS	N	SS	RS	RS	RS
Nitric Acid	20%	SS	SS	R	SS	SS	N	N	RS	RS	RS	RS
Nitric Acid	30%	N	N	R	N	N	N	N	RS	RS	RS	SS
Nitric Acid	40%	N	N	R	N	N	N	N	N	SS	RS	N
Nitric Acid	70%	N	N	S	N	N	N	N	N	N	N	N
Nitric Acid	98%	N	N	N	N	N	N	N	N	N	N	N
Oleic Acid		R	R	R	R	R	R	R	R	R	R	R
Oxalic Acid	10%	R	R	R	R	R	R	R	R	R	R	R
Peppermint Oil	100%	R	R	R	R	RS	R	R	R	R	R	R
Phenolic Paint stripper waste	1-5%	S	S	R	S			R	R			N
Phosphoric Acid	7%	N	N	R	N	R	R	S	RS	R	R	R
Phosphoric Acid	25%	N	N	R	N	R	R	N	RS	R	R	R
Phosphoric Acid	85%	N	N	R	N	N	N	N	N	N	N	SS
Phosphorous Trichloride	100%	N	N	S	N				R			N
PM Solvent		N	N	S	N	R	R	S	R	RS	S	N
Polyester Resin		S	S	R	S				R			S
Polyester resin in styrene		S	S	R	S				R			N
Polyphosphates		R	R	R	R				R	R		R
Potassium Cyanide		RS	RS	RS	RS				RS			RS
Potassium Hydroxide	45%	R	R	R	R	R	R	SS	R	R	R	R
Potassium Permanganate	solid	RS	RS	RS	RS			SS	RS	RS		RS
Propionic Acid	100%	S	S	R	S				R			N
Propyl Acetate	100%	R	R	R		R	R	R	R	R	R	N
Propyl Cellosolve		N	N	S	N			N	R	N		
Propylene Glycol		R	R	R	R	R	R	R	R	R	R	R
Propylene glycol ether		N	N	R	N	R	R	S	R	S	S	R
Red Wine Vinegar		R	RS	RS	SS	R	R	R	R	R	S	R
Remedy		R	RS	S	R	R	R	RS	R	RS	R	R
Silver Cyanide		RS	RS	RS	RS				RS			
Silver Nitrate	20%	RS	RS	RS	RS				RS	RS		
Skydrol		S	S	R	S	R	SS	S	R		R	R
Sodium Chloride		R	R	R	R	R	R	R	R	R	R	R
Sodium Hydroxide	50%	R	R	R	R	R	R	N	R	R	R	R
Sodium Hypochlorite	5%	R	R	R	R	RS	R	R	R	R	R	R
Sodium Hypochlorite	15%	R	R	R	R	RS	R	R	R	R	R	R
Sodium Hypochlorite	50%	N	N	R	N	RS			R	R	R	R
Sodium Persulfate		RS	RS	RS	RS				RS	RS		RS
Spartan, Inspector's Choice, 6ozs/gal	5%	R	RS	R	RS	R	R	R	R	R	R	R
Spartan, Sparclean Sure Step, 2ozs/gal	1.50%	R	R	R	R	R	R	R	R	RS	R	R
Spearmint Oil		SS	S	R	S	RS	RS	N	R	RS	N	N
Spor-Klenz	0.30%	RS	RS	R	RS	RS	R	RS	R	R	R	R
Stoddard solvent		N	N	S	N				R	N		N
Styrene		N	N	S	N				R	N		N
Sulfonic Acid	70%	N	N	SS	N	SS		N			N	
Sulfuric Acid	10%	RS	RS	RS	RS	RS	RS	RS	SS	RS	RS	RS
Sulfuric Acid	30%	N	N	RS	N	SS	RS	N	SS	RS	N	RS
Sulfuric Acid	50%	N	N	RS	N	N	SS	N	SS	RS	N	SS
Sulfuric Acid	98%	N	N	SS	N	N	N	N	N	N	N	N
Tannic Acid	20%	RS	RS	RS	RS				RS	RS		
Tartaric Acid	10%	R	R	R	R	R	R	R	R	R	R	R
Terpene Fraction of Spearmint Oil	100%	R	R	R	R	R	R	R	R	R	R	R
Toluol		N	N	N	N				R		S	
Transmission Oil		R	R	R	S	R	R	R	R	R	R	R
Trichloroethane (1,1,1)		S	S	R	S				R			
Trichloroethylene		N	N	N	N	R		N	R	N	S	
Triethanolamine (TEA)		SS	SS	RS	SS				SS	R		
Triethanolpentamine (TEPA)		SS	SS	RS	SS				SS			
Triethanoltetramine (TETA)		SS	SS	RS	SS				SS			
Turbo Charge II NP		R	R	R	R	R	R	R	R	R	R	R
Urine		R	R	R	R	R	R	R	R	R	R	R
Vesphene II ST	2 oz./2 gal. water	R	SS		SS	R	R	R	R	SS	SS	SS
Vinegar		R	R	R	R	R	R	R	R	R	R	R
Vortexx (2600 ppm)		RS	RS	N	RS	S	R	R	R	S	S	R
Water		R	R	R	R	R	R	R	R	R	R	R
Wine, cabernet sauvignon		R	RS	R	SS	RS	R	R	R	R	RS	R
Xylene		S	S	R	S	R	R	S	R	S	S	N

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All data is based on room temperature exposure. Please check with the Dur-A-Flex Technical Department for elevated constant temperature or thermal shock exposure

Methodology - Coatings were spot tested and checked after 1, 2, and 7 days

Rev 032216