

# UR-2 DURACURE

## Chemical Resistance Guide

The following Chemical Resistance Guide will aid in determining the effect of various chemicals to Valspar's **UR-2 DURACURE**. Results are based on a 24 hour spot test under a watch glass sealed with paraffin wax @ 77 °F. The product tested was mixed and applied to a panel primed with Valspar's PR-14 WB Kwik Prime in accordance to Valspar's standard specifications. The coating was allowed to cure for a minimum of 7 days @ 77 °F prior to testing. Ratings for the pigmented version are based on the standard clear combined with UR-4 Gray Color Add. A rating system for this guide is as follows:

RATINGS KEY			
E = Excellent		NR = Not Recommended	
G = Good		OS = Occasional Spillage	
F = Fair			

ORGANIC ACIDS			
REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Acetic	5%	E	F
Acetic	10%	E	F
Acetic	20%	NR	NR
Acetic	Glacial	NR	NR
Butyric	10%	NR	NR
Citric	10%	E	E
Citric	50%	E	G
Cresylic	10%	G	F
Formic	10%	E	G
Lactic	10%	G	G
Lactic	25%	G	NR
Maleic	30%	F	NR
Maleic	60%	F	NR
Malic	50%	E	NR
Monochloro Acetic	5%	F	NR
Monochloro Acetic	10%	NR	NR
Oleic	Sat.	G	G
Oxalic	Sat.	G	G
Picric	Sat.	G	G

INORGANIC ACIDS (CONT'D)			
REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Sulfuric	25%	E	G
Sulfuric	50%	G	F
Sulfuric	70%	NR	NR
Sulfuric	Conc.	NR	NR

KETONES - ESTERS			
REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Acetone	100%	E	E
Amyl Acetate	100%	E	G
Butyl Acetate	100%	E	G
Ethyl Acetate	100%	E	E
Methyl Ethyl Ketone	100%	E	G
Methyl Isobutyl Ketone	100%	G	F
PM Acetate	100%	E	G

INORGANIC ACIDS			
REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Boric	30%	G	G
Boric	Sat.	F	G
Chromic Acid	2%	G	NR
Chromic Acid	10%	F	NR
Chromic Acid	15%	F	NR
Hydrochloric	10%	E	E
Hydrochloric	37%	E	E
Hydrochloric	Conc.	NR	G
Hydrofluoric	10%	E	E
Hydrofluoric	24%	E	E
Hypochlorous	5%	E	G
Nitric	10%	G	G
Nitric	30%	F	F
Nitric	Over 40%	NR	F
Nitric	Conc.	NR	NR
Perchloric	35%	F	F
Phosphoric	10%	E	G
Phosphoric	35%	E	G
Phosphoric	75%	NR	NR

ALKALIES AND SALTS			
REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Aluminum Chloride	50%	E	G
Ammonium Chloride	50%	E	G
Ammonium Hydroxide	10%	E	E
Ammonium Hydroxide	20%	E	E
Ammonium Hydroxide	50%	E	E
Ammonium Nitrate	Sat.	G	F
Ammonium Persulfate	Sat.	G	F
Ammonium Sulfate	Sat.	G	F
Calcium Chloride	50%	G	F
Calcium Hydroxide	Sat.	G	G
Calcium Hypochlorite	15%	F	F
Ferric Chloride	Sat.	F	F
Ferric Sulfate	Sat.	G	F
Potassium Hydroxide	40%	E	F
Sodium Bicarbonate	Sat.	G	F
Sodium Bisulfate	Sat.	F	F
Sodium Carbonate	Sat.	G	F
Sodium Chloride	20%	E	E
Sodium Hydroxide	10%	E	E
Sodium Hydroxide	50%	E	E
Sodium Hypochlorite	10%	NR	G
Sodium Sulfate	Sat.	F	F

**ALKALIES AND SALTS CONT.**

Sodium Sulfide	Sat.	NR	F
Trisodium Phosphate	10%	E	E
Trisodium Phosphate	Sat.	E	E

**SOLVENTS - ALIPHATIC**

REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Gasoline	100%	E	E
Hexane	100%	E	E
Jet Fuel A-1	100%	E	E
Mineral Spirits	100%	E	E
Naphtha	100%	E	E

**SOLVENTS - AROMATIC**

REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Benzene	100%	E	E
Chlorobenzene	100%	E	G
SC-100	100%	E	E
Toluene	100%	E	G
Xylene	100%	E	E

**SOLVENTS - CHLORINATED**

REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Methylene Chloride	100%	E	F
Perchloroethane	100%	E	E
1,1,1, Trichloroethane	100%	E	E
Trichloroethylene	100%	E	G

**AUTO-BRAKE - HYDRAULIC FLUIDS**

REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Brake Fluid	100%	E	G
Hy-Jet Fuel #3	100%	E	E
Motor Oil	100%	E	E
Skydrol 500A	100%	F	G
Skydrol 500B	100%	F	G
Transmission Fluid	100%	E	E

**ALCOHOLS**

REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Diacetone Alcohol	100%	E	G
Ethyl Alcohol	100%	E	E
Ethylene Glycol	100%	E	E
Glycerine	100%	E	E
Isopropyl Alcohol	100%	E	E
Methyl Alcohol	100%	E	G
Phenol	5%	NR	NR
Triethylene Glycol	100%	E	E

**MISCELLANEOUS CHEMICALS**

REAGENT	CONC.	RATING	
		CLEAR	PIGMENTED
Acrylonitrile	100%	F	NR
Aniline	100%	NR	NR
Beer	100%	E	E
Bromine	100%	NR	NR
Butyl Lactate	100%	F	F
Carbon Disulfide	100%	E	E
Carbon Tetrachloride	100%	E	G
Chloroform	100%	E	E
Cola	100%	E	E
Corn Oil	100%	E	G
Cyclohexane	100%	E	G
Cyclohexanone	100%	E	G
Diethyl Phthalate	100%	E	G
Dimethyl Phthalate	100%	E	G
Ethylene Dichloride	100%	E	G
Formaldehyde	100%	E	G
Fruit Juice	100%	E	E
Grease	100%	E	E
Hydrogen Peroxide	10%	E	E
Ketchup	100%	G	E
Lanoline	100%	G	G
Lard	100%	G	E
Linseed Oil	100%	E	E
Mayonnaise	100%	E	E
Methyl Salicylate (50% in Toluene)		F	F
Milk	100%	G	G
Mustard	100%	G	G
2-Nitro-Propane	100%	E	E
Pyridine	100%	NR	NR
Sugar	Sat.	E	E
Tannic Acid	Sat.	E	F
Tartaric Acid	Sat.	E	F
Tide Solution	2%	E	E
Triacetin	100%	G	G
Triethanolamine	100%	E	F
Turpentine	100%	E	E
Water	100%	E	E
Wine	100%	G	G

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