



# SIKAFLOOR 203

## MEDIUM BUILD EPOXY COATING

### Chemical Resistance Guide

The following Chemical Resistance Guide will aid in determining the effect of various chemicals to SIKAFLOOR 203. Results are based on a 24 hour spot test under a watch glass sealed with paraffin wax @ 77 °F. Two samples were prepared based on a clear, and clear mixed with Sikafloor Urethane Color Additive "oxford gray". Each system was mixed and applied to a panel primed with Sikafloor 107 in accordance to Sika's standard specifications. The coatings were allowed to cure for a minimum of 7 days @ 77 °F prior to testing. 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	w/UR-4
Acetic	5%	E	E
Acetic	10%	E	E
Acetic	20%	G	E
Acetic	Glacial	F	F
Butyric	10%	F	E
Citric	10%	F	F
Citric	50%	F	NR
Cresylic	10%	F	G
Formic	10%	E	E
Lactic	10%	G	G
Lactic	25%	F	G
Maleic	30%	F	F
Maleic	60%	F	F
Malic	50%	F	F
Monochloro Acetic	5%	F	G
Monochloro Acetic	10%	F	F
Oleic	Sat.	E	E
Oxalic	Sat.	E	E
Picric	Sat.	E	G

INORGANIC ACIDS			
REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Boric	30%	G	G
Boric	Sat.	G	G
Chromic Acid	2%	E	F
Chromic Acid	10%	E	F
Chromic Acid	15%	G	G
Hydrochloric	10%	G	F
Hydrochloric	37%	F	F
Hydrochloric	Conc.	G	F
Hydrofluoric	10%	E	G
Hydrofluoric	24%	G	G
Hypochlorous	5%	G	G
Nitric	10%	G	G
Nitric	30%	G	NR
Nitric	Over 40%	G	NR
Nitric	Conc.	NR	NR
Perchloric	35%	F	G
Phosphoric	10%	G	F
Phosphoric	35%	G	F
Phosphoric	75%	F	F
Sulfuric	25%	F	G

INORGANIC ACIDS (CONT'D)			
REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Sulfuric	50%	F	F
Sulfuric	70%	OS	F
Sulfuric	Conc.	NR	NR

KETONES - ESTERS			
REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Acetone	100%	G	F
Amyl Acetate	100%	E	E
Butyl Acetate	100%	G	G
Ethyl Acetate	100%	G	F
Methyl Ethyl Ketone	100%	G	G
Methyl Isobutyl Ketone	100%	NR	NR
PM Acetate	100%	E	F

ALKALIES AND SALTS			
REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Aluminum Chloride	50%	E	E
Ammonium Chloride	50%	E	E
Ammonium Hydroxide	10%	E	E
Ammonium Hydroxide	20%	E	E
Ammonium Hydroxide	50%	E	E
Ammonium Nitrate	Sat.	E	E
Ammonium Persulfate	Sat.	E	E
Ammonium Sulfate	Sat.	E	E
Calcium Chloride	50%	G	G
Calcium Hydroxide	Sat.	E	E
Calcium Hypochlorite	15%	F	F
Ferric Chloride	Sat.	E	E
Ferric Sulfate	Sat.	G	G
Potassium Hydroxide	40%	F	F
Sodium Bicarbonate	Sat.	E	E
Sodium Bisulfate	Sat.	E	E
Sodium Carbonate	Sat.	E	E
Sodium Chloride	20%	E	E
Sodium Hydroxide	10%	E	E
Sodium Hydroxide	50%	E	E
Sodium Hypochlorite	10%	E	E
Sodium Sulfate	Sat.	E	E
Sodium Sulfide	Sat.	E	E

ALKALIES AND SALTS (CONT'D)			
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REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Trisodium Phosphate	10%	E	E
Trisodium Phosphate	Sat.	E	E

**SOLVENTS - ALIPHATIC**

REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
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	w/UR-4
Benzene	100%	F	F
Chlorobenzene	100%	G	G
SC-100	100%	E	E
Toluene	100%	E	F
Xylene	100%	E	E

**SOLVENTS - CHLORINATED**

REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Methylene Chloride	100%	F	G
Perchloroethane	100%	E	E
1,1,1, Trichloroethane	100%	E	E
Trichloroethylene	100%	G	G

**AUTO-BRAKE - HYDRAULIC FLUIDS**

REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Brake Fluid	100%	F	F
Hy-Jet Fuel #3	100%	F	F
Motor Oil	100%	E	E
Skydrol 500A	100%	F	F
Skydrol 500B	100%	F	F
Transmission Fluid	100%	E	F

**ALCOHOLS**

REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Diacetone Alcohol	100%	G	E
Ethyl Alcohol	100%	F	F
Ethylene Glycol	100%	E	E
Glycerine	100%	E	E
Isopropyl Alcohol	100%	G	F
Methyl Alcohol	100%	G	G
Phenol	5%	NR	NR
Triethylene Glycol	100%	G	G

**MISCELLANEOUS CHEMICALS**

REAGENT	CONC.	RATING	
		CLEAR	w/UR-4
Acrylonitrile	100%	G	G
Aniline	100%	NR	NR
Beer	100%	E	E
Bromine	100%	NR	NR
Butyl Lactate	100%	G	G
Carbon Disulfide	100%	F	F
Carbon Tetrachloride	100%	G	G
Chloroform	100%	G	G
Cola	100%	E	E
Corn Oil	100%	E	E
Cyclohexane	100%	G	G
Cyclohexanone	100%	G	G
Diethyl Phthalate	100%	G	G
Dimethyl Phthalate	100%	G	G
Ethylene Dichloride	100%	F	G
Formaldehyde	100%	F	G
Fruit Juice	100%	E	F
Grease	100%	E	E
Hydrogen Peroxide	10%	E	G
Ketchup	100%	E	G
Lanoline	100%	E	E
Lard	100%	E	E
Linseed Oil	100%	E	E
Mayonnaise	100%	E	E
Methyl Salicylate (50% in Toluene)		NR	NR
Milk	100%	E	E
Mustard	100%	F	F
2-Nitro-Propane	100%	E	G
Pyridine	100%	NR	F
Sugar	Sat.	E	E
Tannic Acid	Sat.	E	G
Tartaric Acid	Sat.	G	G
Tide Solution	2%	E	E
Triacetin	100%	E	E
Triethanolamine	100%	E	E
Turpentine	100%	E	E
Water	100%	E	E
Wine	100%	E	E

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