SIKAFLOOR 215
UVR EPOXY COATING/BINDER

CHEMICAL RESISTANCE GUIDE

The following Chemical Resistance Guide will aid in determining the effect of various chemicals to SIKAFLOOR 215. Results are based on ASTM D-1380 procedure. Two samples were prepared based on a Clear and a color base mixed with Sikafloor Urethane Light Gray Color Additive. Each system was mixed and applied to a panel sealed with Sika's Primer 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:

Film Integrity

1. Unaffected
2. Affected but area usable after drying
3. Partially Destroyed in contacted area
4. Contacted area destroyed

Staining

A. Unaffected
B. Brown Stain
C. White Stain
D. Color Lightened
E. Yellow Stain
F. Red or Orange Stain
G. Stained but removed by soap and water
H. Stained but removed with xylene or abrasive cleaner
I. Loss of Gloss
J. Green or Blue Stain
K. Gray Stain

ORGANIC ACIDS

	CLEAR		W/ ECA	
	SPLASH	24 HR.	SPLASH	24 HR.
Acetic Acid 5%	2A	2E	2A	2E
Acetic Acid 10%	2E	2E	2i	2Ei
Acetic Acid 20%	2E	2Ei	2i	2Ei
Glacial Acetic Acid	2Ei	2Ei	2Ei	2Ei
Butyric Acid 10%	2A	2E	2i	2EI
Cresylic 10%	2i	2Ei	2E	2Fi
Formic Acid 10%	2E	2E	2A	2Ei
Lactic Acid 10%	2i	2i	2i	2Di
Lactic Acid 25%	2i	2Ei	2i	2Di
Maleic Acid 30%	2Ei	2Ei	2i	2Ei
Maleic Acid 60%	2Ei	2Ei	3Ei	3Ei
Malic Acid 50%	2Ei	2Ei	2Ei	2Ei
Monoacetic Acid 5%	2A	2E	2i	2Ei
Monoacetic Acid 10%	2A	2E	2i	2Ei
Oleic Acid	1A	1A	1A	1A
Oxalic Acid Sat.	1A	2A	1A	2i
Picric Acid Sat.	2E	2E	1E	1Ei

INORGANIC ACIDS

	CLEAR		W/ ECA	
	SPLASH	24 HR.	SPLASH	24 HR.
Acetic Acid 50%	1A	1A	1A	1A
Boric Acid Sat.	1A	2A	1E	1E
Chromic Acid 2%	1A	2A	1A	1A
Chromic Acid 10%	1B	2B	1B	2Bi
Chromic Acid 15%	1B	2Bi	1B	2B
Hydrochloric Acid 10%	1A	2A	1A	2A
Hydrochloric Acid 37%	1A	2A	1A	2A
Hydochloric Acid Conc	1F	2F	2A	2Ki
Hydrofluoric Acid 10%	1A	2A	1A	1A
Hydorflouric Acid 24%	1A	2A	1A	1A
Nitric Acid 10%	1E	2BE	1E	2E
Nitric Acid 30%	2BE	3BE	2E	2Ei
Nitric Acid Over 40%	2BE	3BE	2E	2Ei

INORGANIC ACIDS CONT.

	CLEAR		W/ ECA	
	SPLASH	24 HR.	SPLASH	24 HR.
Nitric Acid Conc	3BE	3BE	2Ei	3Ei
Perchloric Acid 35%	1A	1A	1A	2B
Phosphoric Acid 10%	2i	2i	2A	2i
Phosphoric Acid 35%	2Ei	2Ei	2A	2i
Phosphoric Acid 75%	2Ei	2Ei	2A	2i
Sulfuric Acid 25%	2A	2A	1A	2A
Sulfuric Acid 50%	2A	2A	2A	2A
Sulfuric Acid 70%	2A	2i	2A	2B
Sulfuric Acid Conc.	3i	4	4	4

ALKALIES AND SALTS

	CLEAR		W/ ECA	
	SPLASH	24 HR.	SPLASH	24 HR.
Aluminum Chloride 50%	1A	1A	1A	1A
Ammonium Chloride 50%	1A	1A	1A	1A
Ammonium Hydroxide 10%	1A	1A	1A	1A
Ammonium Hydroxide 20%	1A	1A	1A	1A
Ammonium Hydroxide 50%	1A	2A	1A	2A
Ammonium Nitrate Sat.	1A	1A	1A	1A
Ammonium Persulfate Sat.	1A	2A	1A	1B
Ammonium Sulfate Sat.	1A	1A	1A	1A
Calcium Chloride 50%	1A	1A	1A	1A
Calcium Hydroxide Sat	1A	2A	1A	1A
Calcium Hypochlorite 15%	1A	1A	1A	1A
Ferric Chloride	1A	1A	1A	1K
Ferric Sulfate	1A	2B	1A	2A
Potassium Hydroxide 40%	1A	1A	1A	1A
Sodium Bicarbonate Sat.	1A	1A	1A	1A
Sodium Bisulfate Sat.	1A	1A	1A	2i
Sodium Carbonate Sat.	1A	1A	1A	1A
Sodium Chloride 20%	1A	1A	1A	1A
Sodium Hydroxide 10%	1A	1A	1A	1A
Sodium Hydroxide 50%	1A	1A	1A	1A
Sodium Hypochlorite 10%	1A	2A	1A	1A

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	SPLASH	24 HR.	SPLASH	24 HR.
Sodium Sulfate Sat.	1A	1A	1A	1A
Sodium Sulfide Sat.	1A	1A	1A	1A
Trisodium Phosphate 10%	1A	1A	1A	1A

SOLVENTS	CLEAR		W/ ECA	
	SPLASH	24 HR.	SPLASH	24 HR.
Acetone	1E	1Ei	1A	2i
Benzene	1A	2i	1A	2i
Butyl Acetate	1A	2Ei	1A	2i
Carbon Tetrachloride	1A	1A	1A	1A
Chlorobenzene	1A	2i	1A	2i
Cyclohexane	1A	1A	1A	1A
Cyclohexanone	2A	2E	1A	2Ei
Chloroform	1A	2i	1A	2i
Diacetone Alcohol	1A	2A	1A	2Ei
Ethyl Acetate	2A	2Ei	1A	2Ei
Ethyl Alcohol	2A	2Ei	1A	1i
Ether	1A	1A	1A	1A
Ethylene Dichloride	1A	2i	1A	2i
Methyl Alcohol	2i	2i	1A	2i
Methyl Ethyl Ketone	1A	2E	1A	2i
Methyl Isobutyl Ketone	2A	2Ei	1A	2i
Methyk Salicycate 50% in Toluene	1A	2i	1A	2Ei
Methylene Chloride	2i	2i	1A	2i
Mineral Spirits	1A	1A	1A	1A
Naphtha	1A	2Ei	1A	1A
Perchloroethane	1A	1A	1A	1A
Toluene	n/a	n/a	1A	2Ei
Trichloreothylene	1A	2Ei	1A	2i
Xylene	2A	2i	1A	2i
Gasoline	1A	2i	1A	2Ei
Hexane	n/a	n/a	n/a	n/a
SC-100	n/a	n/a	n/a	n/a
PM Acetate	1A	2Ei	1A	2Ei

MISCELLANEOUS CHEMICALS	CLEAR		W/ECA	
	SPLASH	24 HR.	SPLASH	24 HR.
Arcylonitrile	1A	2A	1A	2A
Aniline	2E	2Ei	1B	2B
Beer	1A	1a	1A	1A
Bromine	3Ei	4Ei	3E	4
Butyl Lactat	1i	2Ei	1A	2F
Carbon Disulfide	1A	2E	1A	2A
Corn Oil	1A	1A	1A	1A
Diethyl Phthalate	1A	1A	1A	1A
Dimethyl Phthalate	1A	1A	1A	1A
Ethylene Glycol	1A	1A	1A	1A
Formaldehyde	1A	2A	1A	2A
Glycerine	1A	1A	1A	1A
Hydrogen Peroxide	1A	1A	1A	1A
Fruit Juice	1A	1A	1A	1A
Lanoline	1A	1A	1A	1A
Mustard	1A	1E	1A	1E
Phenol 5%	2Ei	3Bi	2B	3BF
Pyridine	2Ei	2Ei	2Ei	2Ei
Sydrol 500A	1A	2i	1A	2i
Sugar Soln. Sat	1A	1A	1A	1A
Tiacetin	1A	1A	1A	1A
Triethylene Glycol	1A	1A	1A	2A
Water	1A	1A	1A	1A
Wine	1A	1A	1A	1E
Ketchup	1A	1A	1A	1A
Brake Fluid	2A	2i	2A	2i
Motor Oil	1A	1A	1A	1A
Grease	1A	1A	1A	1A
Tide Soln.	1A	1A	1A	1A
1,1,1 Trichloroethane	1A	1A	1A	2K
2-Nitro Propane	1A	2E	1A	2A
Turpentine	1A	1A	1A	1A
Jet Fuel A-1	N/A	N/A	N/A	N/A
Cola	1A	1A	1A	1A
10% Citric	1A	1A	1A	1A
Isopropyl Alcohol	1A	2i	1A	2i
Transmission Fluid	1A	1A	1A	1A
Amyl Aetane	1A	2i	1A	2i
Triethanolamine	1A	1A	1A	1A
Tannic Acid	1A	2A	1A	2A
Tartanic Acid	1A	2A	2A	2A
Betadine Solution	1A	1E	1A	1E
Urine	1A	1A	1A	1A

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