

CHEMICAL RESISTANCE TESTS

PRODUCT EPOXY FLOOR TOPPING SL-500

The following tests were performed using fully cured panels fully immersed (according to ASTM C-267) in the following chemicals, in order to test the chemical resistance of the product.

All tests were performed at room temperature ($25 \pm 2^{\circ}\text{C}$) and panels were inspected at various intervals.

EFFECT CODE:

A-None	D-Slight erosion
B-Stains	E-Moderate erosion
C-Softens	F-Disintegrates

COMPATIBILITY

1-Constant exposure
2-Intermittent spillage
3-Not recommended

TEST RESULTS

<u>CHEMICALS</u>	<u>EXPOSURE</u>	<u>EFFECT</u>	<u>COMPATIBILITY</u>
Acetic Acid, 5%	1 hr	A	1
	24 hr	C	2
	30 days	D	2
Acetic Acid, 20%	1 hr	A	1
	24 hr	C	2
	30 days	C	2
Acetic Acid, Glacial	1 hr	E	3
	24 hr	F	3
	30 days	F	3
Citric Acid, Conc.	1 hr	A	1
	24 hr	A	1
	30 days	C	2
Oxalic Acid, 25%	1 hr	A	1
	24 hr	A	1
	30 days	A	1
Hydrochloric Acid, 20%	1 hr	A	1
	24 hr	A	1
	30 days	A	1

2/...

<u>CHEMICALS</u>	<u>EXPOSURE</u>	<u>EFFECT</u>	<u>COMPATIBILITY</u>
Hydrochloric Acid, Conc.	1 hr	A	1
	24 hr	A	1
	30 days	F	3
Hydrofluoric Acid, Conc.	1 hr	C	2
	24 hr	E	3
	30 days	F	3
Nitric Acid, 20%	1 hr	A	1
	24 hr	A	1
	30 days	A	1
Phosphoric Acid, Conc.	30 days	C	2
Sulfuric Acid, 5%	30 days	A	1
Sulfuric Acid, Conc.	24 days	F	3
Ammonium hydroxide, Conc.	30 days	A	1
Sodium Hydroxide, 50%	30 days	A	1
Sodium Hypochlorit	1 hr	A	1
	24 hr	A	1
	30 days	B	2
Hydrogen Peroxide, Sat.	30 days	A	1
Juice, Grapefruit	30 days	A	1
Mayonnaise	30 days	A	1
Mustard	30 days	A	1
Isopropyl Alcohol	30 days	A	1
Methanol	30 days	C	2
Ethyl Acetate	30 days	A	1
Methyl acetate	30 days	C	2
Mineral Oil	30 days	A	1
Oil Motor-S.A.E.40	30 days	A	1
Skydrol 500B-4	24 days	A	1
	30 days	C	2
Gosoline unleaded	30 days	A	1
Kerosene	30 days	A	1
Hexane	30 days	A	1
Toluene	30 days	C	2
Xylene	30 days	D	2

3\..

<u>CHEMICALS</u>	<u>EXPOSURE</u>	<u>EFFECT</u>	<u>COMPATIBILITY</u>
Acetone	30 days	C	2
Methyl Ethyl Ketone	30 days	F	3
Methyl Isobutyl Ketone	30 days	C	2

(CHEMICAL RESISTANCE TESTS SL-500 J.R.TECHNO)