

## SEFA 3-2010 Chemical Test

### Rating Description

0 = No detectable change

1 = Slight change in color or gloss

2 = Slight surface etching or severe staining

3 = Pitting, cratering, swelling, or erosion of coating. Obvious and significant deterioration.

Test No.	Chemical Reagent	Rating Epoxy A	Rating Epoxy B	Rating Trespa TLP
1	Amyl Acetate	1	0	0
2	Ethyl Acetate	0	0	0
3	Acetic Acid, 98%	0	0	0
4	Acetone	1	1	0
5	Acid Dichromate, 5%	2	0	0
6	Butyl Alcohol	0	0	0
7	Ethyl Alcohol	0	0	0
8	Methyl Alcohol	0	1	0
9	Ammonium Hydroxide, 28%	0	0	0
10	Benzene	0	1	0
11	Carbon Tetrachloride	0	0	0
12	Chloroform	1	1	0
13	Chromic Acid, 60%	3	2	0
14	Cresol	1	0	0
15	Dichlor Acetic Acid	1	0	1
16	Dimethylformamide	1	0	1
17	Dioxane	1	0	0
18	Ethyl Ether	1	0	1
19	Formaldehyde, 37%	0	0	1
20	Formic Acid, 90%	1	0	1
21	Furfural	1	1	0
22	Gasoline	0	0	0
23	Hydrochloric Acid, 37%	2	0	0
24	Hydrofluoric Acid, 48%	2	2	2
25	Hydrogen Peroxide, 3%	0	0	1
26	Tincture of Iodine	0	0	1
27	Methyl Ethyl Ketone	1	0	1
28	Methylene Chloride	3	0	0
29	Mono Chlorobenzene	0	0	0
30	Naphthalene	0	0	1
31	Nitric Acid, 20%	0	0	0
32	Nitric Acid, 30%	0	1	1
33	Nitric Acid, 70%	1	1	1
34	Phenol, 90%	1	0	1
35	Phosphoric Acid, 85%	0	1	0
36	Silver Nitrate, Saturated	0	0	0
37	Sodium Hydroxide, 10%	0	1	0
38	Sodium Hydroxide, 20%	0	1	0
39	Sodium Hydroxide, 40%	0	1	0
40	Sodium Hydroxide, Flake	0	1	0
41	Sodium Sulfide, Saturated	0	2	0
42	Sulfuric Acid, 33%	0	1	0
43	Sulfuric Acid, 77%	0	2	0
44	Sulfuric Acid, 96%	0	3	0
45	Sulfuric Acid, 77% & Nitric Acid, 70%, Equal Parts	1	3	0
46	Toluene	1	1	0
47	Trichloroethylene	1	0	0
48	Xylene	1	0	0
49	Zinc Chloride, Saturated	0	0	0
<b>Cumulative Score</b>		<b>29</b>	<b>28</b>	<b>14</b>
<b>Number of Level 3 Conditions</b>		<b>2</b>	<b>2</b>	<b>0</b>
<b>Numbers of chemicals that show effect of the 49</b>		<b>22</b>	<b>20</b>	<b>13</b>

**\* Only tested for 16 hours / 24 hours required by SEFA**

**SEFA Requirement: Cumulative Score Not to Exceed 35.**

**SEFA Requirement: No More Than 4 Level 3 Conditions.**