

Epoxy Products L.L.C.

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SUMMARY REPORT

24 Hours Chemical Resistance or SEFA-8-1999 Stain Test on Black Epoxy Counter Top Material

Standard black epoxy material manufactured on December 12, 2007 was submitted for 24 Hour Chemical Resistance Testing for forty nine chemicals based on the Scientific Equipment and Furniture Association (SEFA) test procedure SEFA-8-1999 with the chemical exposure time modified from one hour to twenty four hours. Testing by an independent laboratory was completed in April, 2008 as follows:

SGS US Testing Company, Inc.
291 Fairfield Avenue
Fairfield, NJ 07004
Test Report Number: 177:009589-03R1
Test Report Date: April 29, 2008

Test Procedure

Epoxy Products submitted two flat plaques of standard black epoxy counter top material with the dimensions of 12" X 12" X 1" thick. The flat plaques were conditioned for a minimum of 48 hours at 70° F and 50% relative humidity before testing. The flat plaques were divided into forty nine sections, each measuring 2" X 2". Each of the forty nine chemicals were applied to a section to give an approximate one inch diameter test area and then covered with a watch glass. The chemical exposure time was increased from the standard one hour to twenty four hours at the request of Epoxy Products. At the end of twenty four hours of exposure, the flat plaques were washed with soap and water, and then air dried. The effect of the chemicals on the material was then evaluated using the critical rating scale per SEFA 8-1-1999 as follows:

Rating Scale:

- Level 0 – No detectable change.
- Level 1 – Slight change in color or gloss.
- Level 2 – Slight surface etching or severe staining.
- Level 3 – Pitting, cratering, swelling, erosion of coating or obvious and significant deterioration.

Summary of Test Results

Number	Chemical	Rating
1	Amyl Acetate	0
2	Acetate, Ethyl	0
3	Acetic Acid, 98% (Glacial)	0
4	Acetone	0
5	Acid Dichromate, 5%	0
6	Butyl Alcohol	0
7	Ethyl Alcohol	0
8	Methyl Alcohol	0
9	Ammonium Hydroxide, 28%	0
10	Benzene	0
11	Carbon Tetrachloride	0
12	Chloroform	0
13	Chromic Acid, 60%	0
14	Cresol	0
15	Dichlor Acetic Acid	0
16	Dimethylformamide	0
17	Dioxane	0
18	Ethyl Ether	0
19	Formaldehyde, 37%	0
20	Formic Acid, 90%	0
21	Furfural	0
22	Gasoline	0
23	Hydrochloric Acid, 37%	0
24	Hydrofluoric Acid, 48%	0
25	Hydrogen Peroxide, 3%	0
26	Tincture of Iodine	0
27	Methyl Ethyl Ketone	0
28	Methylene Chloride	0
29	Mono Chlorobenzene	0
30	Naphthalene	0
31	Nitric Acid, 20%	0
32	Nitric Acid, 30%	0
33	Nitric Acid, 70%	0
34	Phenol, 90%	0
35	Phosphoric Acid, 85%	0
36	Silver Nitrate, Saturated	0
37	Sodium Hydroxide, 10%	0
38	Sodium Hydroxide, 20%	0
39	Sodium Hydroxide, 40%	0
40	Sodium Hydroxide, Flake	0
41	Sodium Sulfide, Saturated	1
42	Sulfuric Acid, 25%	2
43	Sulfuric Acid, 85%	2
44	Sulfuric Acid, 96%	2
45	Equal parts of Sulfuric Acid, 85% and Nitric Acid, 70%	1
46	Toluene	0
47	Trichloroethylene	0
48	Xylene	0
49	Zinc Chloride, Saturated	0
Total of Level 0 Rating		44
Total of Level 1 Rating		2
Total of Level 2 Rating		3
Total of Level 3 Rating		0