Chemical and stain resistance — SEFA 3-2020, 24-hour spot test

Tested by SGS INTRON Laboratory, Sittard, Netherlands, 20 to 26 March 2026, on a 15 mm grey epoxy worksurface, machined to size by Simmons. Certificate of Analysis 260776a, revision a, 14 April 2026. Method A (volatile reagents): a saturated cotton ball in an inverted bottle on the surface; method B (non-volatile): five drops under a watch glass; both for 24 hours at 23 ± 2 °C. Laboratory-grade work surface finishes shall result in no more than four level 3 conditions. Disposition: **Conforming**, with 1 level 3 result.

40/49
NO EFFECT OR SLIGHT CHANGE

#	REAGENT	METHOD	RATING
1	Acetate, Amyl	A	0 · No effect
2	Acetate, Ethyl	A	1 · Excellent
3	Acetic Acid, 98%	B	0 · No effect
4	Acetone	A	1 · Excellent
5	Acid Dichromate, 5%	B	2 · Good
6	Alcohol, Butyl	A	0 · No effect
7	Alcohol, Ethyl	A	0 · No effect
8	Alcohol, Methyl	A	0 · No effect
9	Ammonium Hydroxide 28%	B	1 · Excellent
10	Benzene	A	0 · No effect
11	Carbon Tetrachloride	A	0 · No effect
12	Chloroform	A	2 · Good
13	Chromic Acid 60%	B	2 · Good
14	Cresol	A	1 · Excellent
15	Dichloroacetic Acid	A	1 · Excellent
16	Dimethylformanide	A	1 · Excellent
17	Dioxane	A	1 · Excellent
18	Ethyl Ether	A	1 · Excellent
19	Formaldehyde, 37%	A	0 · No effect
20	Formic Acid 90%	B	0 · No effect
21	Furfural	A	1 · Excellent
22	Gasoline	A	0 · No effect
23	Hydrochloric Acid 37%	B	1 · Excellent
24	Hydrofluoric Acid 48%	B	2 · Good
25	Hydrogen Peroxide, 30%	B	0 · No effect
26	Iodine, Tincture of	B	2 · Good
27	Methyl Ethyl Ketone	A	1 · Excellent
28	Methylene Chloride	A	2 · Good
29	Monochlorobenzene	A	1 · Excellent
30	Naphthalene	A	0 · No effect
31	Nitric Acid, 20%	B	1 · Excellent
32	Nitric Acid, 30%	B	1 · Excellent
33	Nitric Acid, 70%	B	2 · Good
34	Phenol, 90%	A	1 · Excellent
35	Phosphoric Acid, 85%	B	1 · Excellent
36	Silver Nitrate, Saturated	B	0 · No effect
37	Sodium Hydroxide, 10%	B	1 · Excellent
38	Sodium Hydroxide, 20%	B	1 · Excellent
39	Sodium Hydroxide, 40%	B	1 · Excellent
40	Sodium Hydroxide, Flake	B	1 · Excellent
41	Sodium Sulfide, Saturated	B	1 · Excellent
42	Sulfuric Acid, 33%	B	1 · Excellent
43	Sulfuric Acid, 77%	B	1 · Excellent
44	Sulfuric Acid, 96%	B	3 · Fair
45	Sulfuric Acid, 77% and Nitric Acid 70% equal parts	B	2 · Good
46	Toluene	A	0 · No effect
47	Trichloroethylene	A	1 · Excellent
48	Xylene	A	0 · No effect
49	Zinc Chloride, Saturated	B	0 · No effect

0 · No effect — No detectable change in the material surface.

1 · Excellent — Slight detectable change in colour or gloss, but no change in the function or life of the surface.

2 · Good — A clearly discernible change in colour or gloss, but no significant impairment of surface life or function.

3 · Fair — Objectionable change in appearance due to discolouration or etch, possibly resulting in deterioration of function over an extended period.

Reagent names and concentrations as printed in the certificate. Suitability for a given application is dependent upon the chemicals used in a given laboratory; for a reagent, concentration or exposure not listed, contact our team and we will advise. The full certificate is available on request.