



SEFA 8.0 CABINET SURFACE FINISH TESTS

Performed for: ARPA INDUSTRIALE Spa
Via G. Piumati, 91
12042 Bra (CN) Italy

Item Tested: ARPA FENIX NTM 0.9 mm.- Black /Nero

Reference: Scientific Equipment & Furniture Association (SEFA)
Laboratory Furniture Casework, Shelving and Tables Recommended Practices
SEFA 8-PL 2010

Section 8.0 Cabinet Surface Finish Tests

Results:

8.1 Chemical Spot Test

See detailed results on attached form.

Four Level 3 conditions permitted Rating: Pass Fail

There is one (1) Level 3 condition evident

8.2 Boiling Water Resistance Test

Rating: Pass Fail

Test not requested by customer

8.3 Ball Impact Resistance Test Rating:

Rating: Pass Fail

Test not requested by customer

8.6 Dart Impact Resistance Test Rating:

Rating: Pass Fail

Test not requested by customer

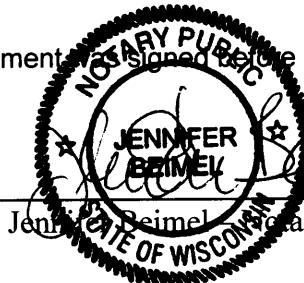
Tests performed by: Dr. Neil M. Ball Title: Environmental Analyst

Neil M. Ball Ph.D
Signature

3-28-13
Date

**State of Wisconsin
County of Sheboygan**

This document was signed before me on 3/28/13.



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CHEMICAL RESISTANCE TESTING – 8.1



SEFA 8-PL 2010

Date of Test:	Sample Description:
3-26-2013	ARPA FENIX NTM 0.9 mm.- Black /Nero

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, Obvious & Significant Deterioration.

#	Chemical	Rating	Comments
1	Amyl Acetate	0	
2	Ethyl Acetate	1	Slight change in color (white ring)
3	Acetic Acid 98%	1	Slight change in color (white ring)
4	Acetone	1	Slight change in color (white ring)
5	Acid Dichromate 5%	0	
6	Butyl Alcohol	1	Slight change in color (white ring)
7	Ethyl Alcohol	1	Slight change in color (white ring)
8	Methyl Alcohol	1	Slight change in color (white ring)
9	Ammonium Hydroxide 28%	0	
10	Benzene	1	Slight change in color (white ring)
11	Carbon Tetrachloride	1	Slight change in color (white ring)
12	Chloroform	1	Slight change in color (white ring)
13	Chromic Acid 60%	0	
14	Cresol	0	
15	Dichloroacetic Acid	0	
16	Dimethylformamide	0	
17	Dioxane	0	
18	Ethyl Ether	1	Slight change in color (white ring)
19	Formaldehyde 37%	0	
20	Formic Acid 90%	0	
21	Furfural	1	Slight change in color (white ring)
22	Gasoline	0	
23	Hydrochloric Acid 37%	0	
24	Hydroflouric Acid 48%	3	Obvious and significant deterioration of the finish
25	Hydrogen Peroxide 30%	0	
26	Tincture of Iodine	1	Slight change in color (white ring)

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#	Chemical	Rating	Comments
27	Methyl Ethyl Ketone	1	Slight change in color (white ring)
28	Methylene Chloride	1	Slight change in color (white ring)
29	Monochlorobenzene	0	
30	Naphtha VM&P	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	Slight change in color (white ring)
42	Sulfuric Acid 33%	0	
43	Sulfuric Acid 77%	0	
44	Sulfuric Acid 96%	0	
45	Sulfuric Acid 77% and Nitric Acid 70%, equal parts	0	
46	Toluene	1	Slight change in color (white ring)
47	Trichloroethylene	1	Slight change in color (white ring)
48	Xylene	1	Slight change in color (white ring)
49	Zinc Chloride, Saturated	0	

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