



Chem-Lam

**CHEM
LAM**



CHEM-LAM is a high performance laminate produced with a special technology for surfaces exposed to chemicals and corrosive environments, providing an exceptional protection and resistance from scratching and staining.

Because of its physical properties, CHEM-LAM is resistant to acids, salts, pigments, organic solvents and in general all agents used in chemical and photographic laboratories, hospitals, surgery rooms, pharmaceutical and food industries.

CHEMICAL RESISTANCE:

Qualification and Criteria:

Qualification 5: No change

Qualification 4: Slight change of color or brightness,
visible only at certain angles.

Qualification 3: Moderate change in color or brightness

Qualification 2: Severe change in color and brightness

Qualification 1: Destruction and/or blow the surface

AGENT	CHEMICAL SUBSTANCE	QUALIFICATION
1	Concentrated nitric acid	4
2	Concentrated Sulfuric Acid	4
3	Concentrated Hydrochloric Acid	5
4	Acetone	5
5	Toluene	5
6	Chloroform	5
7	Phenol 90%	5
8	Sodium hydroxide 50%	4
9	Sodium hypochlorite	5
10	Hydrogen Peroxide 5%	4
11	Gasoline	5
12	Potassium permanganate	4
13	Silver nitrate	4
14	Glacial Acetic Acid 99%	4
15	Aqua regia	5
16	Amyl acetate	5
17	Trichloroethane	5
18	Ammonium Hydroxide 25%	5
19	Solid iodine	4
20	Phenolphthalein	5
21	Methyl Red	5
22	Methylene Blue	5
23	Nigrosine	5
24	Blue Tymol	5
25	Copper Sulfate 10%	5
26	Ether 28%	5
27	Ethylene glycol	5
28	Ferric Chloride 10%	5
29	Sodium chloride 10%	5
30	Chromic Acid 60%	5
31	n- Hexane	5
32	Baric acid	5
33	Ethyl Acetate	5
34	Trichloroethylene	5
35	tetrahydrofuran	5

Note: Stain resistance Test EN-438 international standard, part number 2 numeral 26. Exposure time: 24 hours.



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CHEM-LAM is ideal for indoor use, in vertical and horizontal applications in all fields related to medicine, radiology, biology, botany, physics, electronics, nuclear, photographic laboratories, cosmetics, printing, dentistry, surgical suites, hospitals, food industry, kitchens and others.

CHEM-LAM is available in: *Black 2133, Grey 2141 and White 2134.*

Thicknesses*: 5/64" (2 mm) to 1" (25 mm) double-side or one side decor, in brown or black core.

*Can be manufactured in thicknesses less than 5/64" (2mm), if required.

Sizes: 4 x 8, 4 x 10 ft

Finish: Matte

Grade: Not Postformable

Non-porous, allowing an easy cleaning and preventing the growth of fungi and bacteria.

CHEM-LAM is resistant to humidity.

Must not be exposed to direct or continuous sunlight.

If you are placing hot objects (temperatures over 275 °F), or cutting with a sharp object, please use a wooden or ceramic base as a protector.

Important Note: The irreversible surface stained with chemical substances among other factors, depends on 3 main circumstances: the chemical nature of the substance, its concentration and contact time; 100% inert surfaces do not exist. The excellent quality and performance of the CHEM-LAM by Lamitech, plus an appropriate cleaning routine of the work surfaces (every 8 or 12 hours), minimize the contact time, prolonging the durability of the item.



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