Chemical Resistant Epoxy

Epoxy Resin Worksurfaces are molded monolithic epoxy resin products. Our unique molding process includes a special curing stage that ensures a complete chemical reaction throughout the material resulting in a uniform worksurface of the highest quality. Epoxy Resin Worksurfaces are chemical resistant and non-flammable, perfect for harsh laboratory, classroom and research environments.

New ClassicTops with a 1/4" machined radius are the latest worksurface edge option. These worksurfaces are molded and fabricated to the same exacting standards as our machine beveled ClassicTops but feature machine radiused edges and blended corners which can provide additional safety and comfort for laboratory users.
Black Onyx 1" [25mm] thick ClassicTops are standard. Upon request 3/4" or 1-1/4" [19 or 32mm] thick surfaces are available.
ClassicTop epoxy resin worksurfaces are the standard of our industry. The 1/8" [3mm] beveled edges and availability in seamless lengths up to 96" [2438mm] provide the greatest flexibility for use in every application.
Black Onyx 1" [25mm] thick ClassicTops are standard. Upon request 3/4" or 1-1/4" [19 or 32mm] thick surfaces are available

Signature Epoxy Resin Colors

LabTech now offers a refined range of epoxy resin worksurface color options in both our LabStandard and environment friendly GreenstoneTM formulations. These new color options are a mix of traditional and energy saving lighter shades, such as new Lunar White.

LabTech Six Signature Epoxy Resin Colors:

- Black Onyx
- Graphite
- Gray
- Dark Khaki
- Tan
- New Lunar White

Tradition & Function

Black Onyx is the traditional worksurface of the laboratory industry for good reason. The low-glare matte finish minimizes reflected light to ease eye strain and provide the greatest contrast and acuity for most research tasks. Our 5 additional signature colors feature matte finishes and comparable physical properties and chemical resistance to Black Onyx.

Prestige

We understand that the worksurface is one of the most visible components of the laboratory or classroom and that the easiest way to set a room apart is to specify a custom epoxy resin worksurface color. Durcon can create your custom color worktop to match school and corporate colors or to accent surrounding surfaces.* Sample color packs are available by filling out our request form or sending an e-mail request to sales@labtechsupplyco.com .

**Custom epoxy colors are available where feasible and lead times are subject to extended lead times.*

Disclaimer: Epoxy Resin is composed of fine, natural silica and a combination of outsourced resins and pigment from diverse locations. As a result, variance in color and shade is an inherent trait expected of this product. Please refer to samples only as a general indication of a particular color's aesthetics and hue. These variations do not affect performance and should not be considered defects.

LabTech Supply Company, Inc is NOT responsible for color selections based upon representations apart from a physical sample of product.

Method A

For volatile chemicals. A cotton ball saturated with the test chemical was placed in a one ounce bottle (10mm x 75mm test tube or similar container). The container was inverted on the test material surface for a period of 24 hours. Temperature of test: 23° +/-2° C (73° +/-4° F). This method was used for the organic solvents.

Method B

For non-volatile chemicals. Five drops (1/4cc) of the test chemical were placed on the test material surface. The chemical was covered with a watch glass (25mm) for a period of 24 hours. Temperature of test: 23° +/-2° C (73° +/-4° F). This method was used for all chemicals listed below other than the solvents.

Evaluation

After 24-hour exposure, exposed areas were washed with water, then a detergent solution and finally with isopropyl alcohol. Materials were then rinsed with distilled water and dried with a cloth. Samples are numerically rated as follows:

1. **No Effect** – No detectable change in the material surface.
2. **Good** – Slight detectable change in color or gloss but no change in function or life of the surface.
3. **Fair** – Slight surface etching or severer staining. Clearly discernible change in color or gloss but no significant impairment of surface life or function.
4. **Poor** – Pitting, cratering or erosion of the surface. Obvious and significant deterioration. Objectionable change in appearance due to dis-coloration.

Chemical Tested*	Method	Black Onyx
Amyl Acetone	A	0
Ethyl Acetate	A	0
Acetic Acid 98%	B	0
Acetone	A	1
Acid Dichromate 5%	B	0
Butyl Alcohol	A	0
Ethyl Alcohol	A	0
Methyl Alcohol	A	1
Ammonium Hydroxide, 28%	B	0
Benzene	A	1
Carbon Tetrachloride	A	0
Chloroform	A	1
Chromic Acid 60%	B	2
Cresol	A	0
Dichloro Acetic Acid	A	0

Dimethylformamide	A	0
Dioxane	A	0
Ethyl Ether	A	0
Formaldehyde 37%	A	0
Formic Acid 90%	B	0
Furfural	A	1
Gasoline	A	0
Hydrochloric Acid 37%	B	0
Hydrofluoric Acid 48%	B	2
Hydrogen Peroxide 28%	B	0
Tincture of Iodine	B	0
Methyl Ethyl Ketone	A	0
Methylene Chloride	A	0
Mono Chlorobenzene	A	0
Napthalene	A	0
Nitric Acid 20%	B	0
Nitric Acid 30%	B	1
Nitric Acid 70%	B	1
Phenol 90%	A	0
Phosphoric Acid 85%	B	1
Silver Nitrate, Saturated	B	0
Sodium Hydroxide 10%	B	1
Sodium Hydroxide 20%	B	1
Sodium Hydroxide 40%	B	1
Sodium Hydroxide Flake	B	1
Sodium Sulfide, Saturated	B	2
Sulfuric Acid 25%	B	1
Sulfuric Acid 85%	B	2
Sulfuric Acid 96%	B	3
Sulfuric Acid 85%, and Nitric Acid 70%, equal parts	B	3
Toluene	A	1
Trichlorethylene	A	0
Xylene	A	0
Zinc Chloride, Saturated	B	0