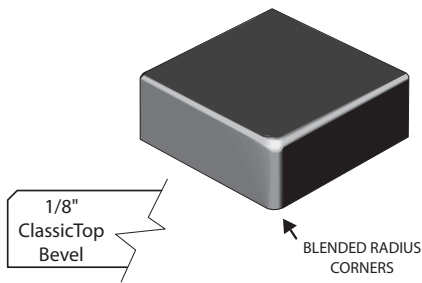
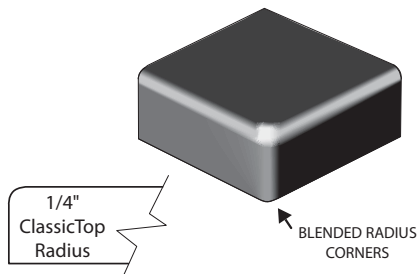


# Worksurfaces

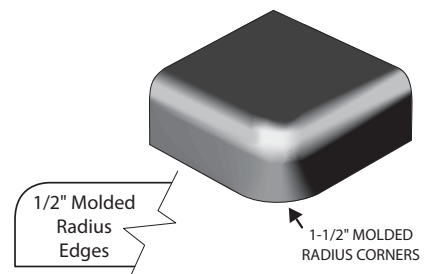
## ClassicTop Bevel Edge



## ClassicTop Radius Edge



## ContouraTop Radius Edge



### ClassicTop Bevel Edge

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 5/8", 3/4" or 1-1/4" [15, 19 or 32mm] thick surfaces are available.

### ClassicTop Radius Edge

ClassicTops with a 1/4" machined radius feature the latest worksurface edge option from Durcon. 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, 5/8", 3/4" or 1-1/4" [15, 19 or 32mm] thick surfaces are available.

### ContouraTop with 1/2" Molded Radius

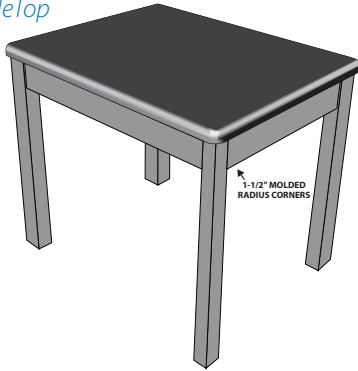
ContouraTops feature unique molded edges with a 1/2" [12mm] radius and rounded corners with a 1-1/2" [38mm] molded radius.

ContouraTops were designed to provide greater safety and comfort for the lab user. In addition, the contoured edges increase durability and offer a modern look and feel to all types of environments.



# Worksurfaces

Contoura TableTop



TrifaciaTop



## Contoura TableTops

Contoura TableTops are recommended for classrooms, laboratories and production facilities where seating or reconfiguration is required.

Contoura's radiused edges and corners add safety and comfort to work and study environments and the scratch, stain and heat resistance of solid epoxy resin surfaces can eliminate the replacement and refurbishing costs inherent with other materials.

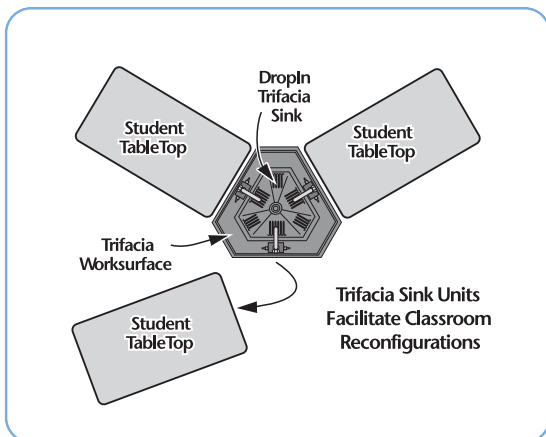
## Classic TableTops

Classic TableTops with beveled edges are available up to 96" x 72" [2438 x 1829mm] for custom size and shape requirements or when classic styling is preferred.

## TrifaciaTop Work Stations

TrifaciaTop marine edge work surfaces provide convenient services access for up to three reconfigurable student tables. The standard thickness is 1" [25mm].

Durcon Trifacia or round epoxy resin sinks are available (see Specialty Sinks section). Fixtures and casework supplied by others.



# THE REST OF THE STORY

## Chemical Resistance Test Results

### SEFA Chemical Resistance Test Standard:

#### 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.

Chemical Resistance for Black Onyx			Chemical Resistance for Black Onyx (cont.)		
Reagent Tested	Test	Rating	Reagent Tested	Test	Rating
Amyl Acetate	A	0	Tincture of Iodine	B	0
Ethyl Acetate	A	1	Methyl Ethyl Ketone	A	1
Acetic Acid 98%	B	0	Methylene Chloride	A	1
Acetone	A	1	Mono Chlorobenzene	A	1
Acid Dichromate 5%	B	0	Naphthalene	A	0
Butyl Alcohol	A	0	Nitric Acid, 20%	B	0
Ethyl Alcohol	A	0	Nitric Acid, 30%	B	0
Methyl Alcohol	A	0	Nitric Acid, 70%	B	0
Ammonium Hydroxide, 28%	B	0	Phenol 90%	A	0
Benzene	A	1	Phosphoric Acid, 85%	B	0
Carbon Tetrachloride	A	0	Silver Nitrate, Saturated	B	0
Chloroform	A	1	Sodium Hydroxide, 10%	B	0
Chromic Acid 60%	B	0	Sodium Hydroxide, 20%	B	1
Cresol	A	0	Sodium Hydroxide, 40%	B	1
Dichloro Acetic Acid	A	0	Sodium Hydroxide, Flake	B	0
Dimethylformamide	A	0	Sodium Sulfide, Saturated	B	0
Dioxane	A	1	Sulfuric Acid, 25%	B	0
Ethyl Ether	A	0	Sulfuric Acid, 85%	B	1
Formaldehyde 37%	A	0	Sulfuric Acid, 96%	B	3
Formic Acid 90%	B	1	Sulfuric Acid 85%, and Nitric Acid 70%, equal parts	B	1
Furfural	A	0	Toluene	A	0
Gasoline	A	0	Trichloroethylene	A	1
Hydrochloric Acid, 37%	B	0	Xylene	A	0
Hydrofluoric Acid 48%	B	0	Zinc Chloride, Saturated	B	0
Hydrogen Peroxide 28%	B	0			

#### Evaluation

After 24-hours 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:

- 0 No Effect** No detectable change in the material surface.
- 1 Excellent** Slight detectable change in color or gloss but no change in function or life of the surface.
- 2 Good** A clearly discernible change in color or gloss but no significant impairment of surface life or function.
- 3 Fair** Objectionable change in appearance due to discoloration or etch, possibly resulting in deterioration of function over an extended period of time.

Physical Test Results				
ASTM	Test	Scale	Imperial	Metric
ASTM D785-08	Rockwell Hardness	[M scale]	110 (C)	110 (C)
ASTM D696-03	Linear Thermal Expansion	[mm/mm °C]	2.46 x 10 <sup>-5</sup> (T)	2.46 x 10 <sup>-5</sup> (T)
ASTM D3801-00	Burning Characteristics Sample as Received	[Max. Minutes]	30 (T)	30 (T)
ASTM D3801-00	Burning Characteristics Sample Heat Aged	[Max. Minutes]	41 (T)	41 (T)
ASTM D635-06	Fire Resistance	[mm]	Self Extinguishing	Self Extinguishing
ASTM D570-98	Water Absorption	[% after 24hrs]	0.008 (T)	0.008 (T)
ASTM D792-00	Density	[lb/ft <sup>3</sup> ]/[g/cm <sup>3</sup> ]	134.8 (C)	2.16
D695-02	Compressive Strength	[kpsi]/[MPa]	38.4 (C)	265
ASTM D648-07	Heat Distortion Temperature	[°C]/[°F]	205 (C)	96
ASTM E84-06	Fire Resistance - Flame Spread Index	[in]/[mm]	0.29	7.4
ASTM E84-06	Fire Resistance - Smoke Developed Index	[in]/[mm]	0.87	221.2
ASTM D790-07	Flexural Strength	[kpsi] [MPa]	14.9 (T)	103

#### Preventing Damage

Epoxy Resin is the material of choice for the harsh chemical environment of the laboratory. However, epoxy resin products are subject to Thermal Shock and are not warranted against damage from liquid nitrogen or dry ice. Abuse caused by the improper use of these materials could cause cracking or sink failure.

### **The Best Laboratory Work Surface Solution**

Durcon Incorporated work surface systems 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 is the worksurface choice for harsh laboratory, classroom and research environments because of the material's outstanding:

- Chemical Resistance
- Durability
- Non-flammability
- Non-absorbency

### **Our Quality Assurance**

The consistent quality of Durcon products is the result of well-engineered designs, superior service and top-notch manufacturing. In addition, each phase of the production process is closely monitored to ensure precision. We account for each piece's fit and finish before packing.

### **Our Commitment to Customer Satisfaction**

Durcon is the preferred supplier of so many project managers because we understand that jobs installed as scheduled can greatly increase your bottom line. Durcon's order scheduling and tracking system utilizes advanced technology that enables us to closely monitor throughput to ensure job completion on or ahead of schedule. Job tracking access is also available to our customers on-line allowing remote access twenty-four hours per day, seven days a week.


### **Colors**

Work surfaces in a variety of colors are now available as a design option. Forest Green and Steel Blue epoxy resin provide a visual alternative to the laboratory environment. Surface colors can be used to highlight wood, metal and laminate casework finishes. Other popular color options include Black Onyx, Graphite, Gray, Tan and White. Durcon Incorporated can also match specified colors for your projects.

*Colors printed here are close approximations of Durcon Inc's actual epoxy resin work surface colors and are intended as guides only. Epoxy resin color samples are available from Durcon. Please e-mail your sample requests to sales@durcon.com.*

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**Black Onyx**



**Graphite**



**Forest Green**



**Gray**



**Steel Blue**



**Tan**



**White**