



DURCON®

A WILSONART COMPANY

EPOXY RESIN WORKSURFACES

Durcon® epoxy resin worksurfaces, sinks, and accessories are created to set the highest standard of lab-grade quality, durability and performance in the industry, made possible by a combination of precision engineering, advanced manufacturing and fabrication processes, plus decades of refined expert craftsmanship.

From K-12 and university labs to research and development facilities, Durcon is trusted worldwide for its innovation and expertise. We provide superior products with full technical support, backed by a global distribution network and in-depth industry knowledge.

LAB GRADE FORMULATED & CONFIGURED



Durcon worksurfaces are monolithic and molded using a unique process including a special curing stage which ensures complete chemical reaction throughout the material. The result is a lab-grade, uniform worksurface of the highest durability.

Durcon epoxy is formulated to balance performance, safety and resistance. Durcon epoxy products are Greenguard Gold certified for safe indoor air quality, and NSF/ANSI 51 certified for use in food prep areas. Durcon epoxy is tested to SEFA chemical resistance standards, as well as physical property strength and resistances to moisture, heat and flammability.

- Marine edge containment tops
- DrainTops
- Balance tables, Isotops & Isopads
- DropIn, undermount & ADA compliant sinks
- Wall mount, utility & specialty sinks

COLORS



Durcon core epoxy colors are Black Onyx, Graphite, Gray & Lunar White; with Black Onyx being the most popular, featuring a low-gloss matte finish that is both aesthetic and increases acuity for visual lab testing.



In addition to these core colors, Durcon also offers: Tan, Dark Khaki, Alpine White, Sand, Forest Green, Platinum, Pearl, Slate, Pacific Blue & custom colors.

EDGE FINISH OPTIONS



Bevel Edge



Radius Edge



Marine Edge

COMPLETE LAB SYSTEM



SEE IT WITH VISUALIZER

Design with Epoxy colors in real-time using our Visualizer tool at www.durcon.visualizapro.com or scan the QR.



EPOXY ADVANTAGES

Understand what makes a material capable of performance, longevity, and the many advantages epoxy offers in harsh laboratory environments.



SAMPLES

Epoxy samples are available in 12"x12", 4"x4" and 2"x2" sizes at 1.0" thickness. To request product samples, email samples@durcon.com or scan QR.



SEFA 3 CHEMICAL RESISTANCE TESTING

CHEMICAL Tested	TEST Method	RESULT Rating
Acetate, Amyl	A	1
Acetate, Ethyl	A	1
Acetic Acid 98%	B	0
Acetone	A	1
Acid Dichromate 5%	B	0
Alcohol, Butyl	A	1
Alcohol, Ethyl	A	1
Alcohol, Methyl	A	0
Ammonium Hydroxide 28%	B	1
Benzene	A	1
Carbon Tetrachloride	A	1
Chloroform	A	1
Chromic Acid 60%	B	3
Cresol	A	1
Dichloroacetic Acid	A	1
Dimethylformamide	A	1
Dioxane	A	1
Ethyl Ether	A	0
Formaldehyde 37%	A	0
Formic Acid 90%	B	1
Furfural	A	1
Gasoline	A	0
Hydrochloric Acid 37%	B	1
Hydrofluoric Acid 48%	B	2
Hydrogen Peroxide 30%	B	0
Iodine, Tincture of	B	0
Methyl Ethyl Ketone	A	0
Methylene Chloride	A	1
Monochlorobenzene	A	1
Naphthalene	A	0
Nitric Acid 20%	B	0
Nitric Acid 30%	B	1
Nitric Acid 70%	B	1
Phenol 90%	A	1
Phosphoric Acid 85%	B	0
Silver Nitrate, Saturated	B	1
Sodium Hydroxide 10%	B	1
Sodium Hydroxide 20%	B	1
Sodium Hydroxide 40%	B	1
Sodium Hydroxide Flake	B	0
Sodium Sulfide, Saturated	B	1
Sulfuric Acid 33%	B	0
Sulfuric Acid 77%	B	1
Sulfuric Acid 96%	B	3
Sulfuric Acid 77%, and Nitric Acid 70%, equal parts	B	1
Toluene	A	1
Trichloroethane	A	1
Xylene	A	1
Zinc Chloride, Saturated	B	0

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

0 = No effect, 1 = Excellent, 2 = Good, 3 = Fair

TEST 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: 73° +/- 4°F (23° +/- 2°C). This method was used for the organic solvents.

TEST METHOD B

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

PHYSICAL PROPERTIES TESTING

TEST Procedure	PROPERTY Description	RESULT	
		Imperial	Metric
ASTM D785	Rockwell Hardness	109 [M Scale]	
ASTM D696	Linear Thermal Expansion	1.2x10 ⁻⁵ in/in°F	2.15x10 ⁻⁵ mm/mm°C
ASTM D570	Water Absorption	0.03% [24 hours]	
ASTM D790	Flexural Strength	12.6 kpsi	87 MPa
ASTM D790	Flexural Modulus	3240 kpsi	22.4 GPa
ASTM D792	Density	133.6 lb/ft ³	2.14 g/cm ³
ASTM D695	Compressive Strength	32.7 kpsi	226 MPa
ASTM D648	Heat Distortion Temperature	380°F	193°C
ASTM D635	Fire Resistance	Self-extinguishing	
ASTM D3801	Burning Characteristics [Sample as Received]	30 seconds max burn time	

FLAMMABILITY TESTING

TEST Procedure	PROPERTY Description	RESULT Rating
ASTM E84	Flame Spread Index	0 [Class A]
ASTM E84	Smoke Developed Index	300 [Class A]
ASTM E84	Time to Ignition	5 min 02 sec
ASTM E84	Max Flamespread Distance	0.1 ft [3cm]
ASTM E84	Time to Maximum Spread	7 min 33 sec

CERTIFICATIONS & MEMBERSHIPS

