LAB SETUP
AMERICA

PHENOLIC COUNTERTOPS

LABORATORY WORKSURFACES CATALOG



FEATURING DURCON® WORKSURFACES

Solid Phenolic Compact (SPC)
Solicor-CR

www.lsamerica.com

LAB SETUP AMERICA



DURCON®

A WILSONART COMPANY

SOLID PHENOLIC COMPACT WORKSURFACES

Solid Phenolic Compact (SPC) by Durcon is a functional and decorative worksurface for high impact, heavy use environments such as laboratories and other facilities in the education, healthcare and R&D segments. Engineered for horizontal and vertical applications like countertops, shelving and partitions, these durable self-supporting surfaces are available in three grades, several thicknesses, and many color options.

SPC GRADES

Chemical Resistance Grade SPC-CR includes a specially Electron Beam Cured (EBC) layer, providing industry leading resistance to many acids, solvents, reagents & cleaning agents.
Note: not available in 4' x 8' or 4' x 10' sheets.

APPLICATIONS

- Laboratory settings
- Reagent shelving
- Prep room worksurfaces
- Mobile carts

COLORS

Durcon Graphite*
Steel Grey
Carbon Black
Durcon Gray*
Glacier White

**color-match Epoxy*

Standard Grade SPC is a surfacing solution designed for *all-around* use, available in a selection of smart colors, plus the option for custom colors of graphic designs.

- Partitions
- Cabinetry
- Airports
- Healthcare

Fashion Grey | Black | Designer White

Standard grade is available in 100s of additional options.

*To view the full selection, visit www.wilsonart.com/compact, select a color option, then look for **Finish 60** under the Pattern Availability*

THICKNESS & SIZES



Thicknesses available:
0.25"
0.375"
0.5"
0.75"
1.0"

Sheet sizes available:
4' x 8' (Standard-grade only)
4' x 10' (Standard-grade only)
5' x 8' (All grades)
5' x 10' (All grades)
5' x 12' (All grades)

CERTIFICATIONS & ORGANIZATIONS

SCScertified | GREENGUARD | NSF | SEFA | FSC | ISO 9001:2015 | ISFA

SEE IT WITH VISUALIZER

Design with SPC in real-time using Durcon's Visualizer tool at **www.durcon.visualizapro.com**

SAMPLES

To request samples of Durcon SPC, please reach out to your regional Durcon representative, contact our Customer Service team, or scan the QR code.

SPC samples available in 1.0" thickness only.

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SOLID PHENOLIC COMPACT TEST RESULTS

TESTING RESULTS FOR SPC CHEMICAL RESISTANCE GRADE

CHEMICAL & STAIN RESISTANCE TESTING

CHEMICAL Tested	TEST method	SPC-CR RATING
Acetate, Amyl	A	0
Acetate, Ethyl	A	0
Acetic Acid 98%	B	0
Acetone	A	0
Acid Dichromate 5%	B	1
Alcohol, Butyl	A	0
Alcohol, Ethyl	A	0
Alcohol, Methyl	A	0
Ammonium Hydroxide 28%	B	1
Benzene	A	0
Carbon Tetrachloride	A	0
Chloroform	A	0
Chromic Acid 60%	B	1
Cresol	A	1
Dichloroacetic Acid	A	1
Dimethylformanide	A	0
Dioxane	A	0
Ethyl Ether	A	0
Formaldehyde 37%	A	0
Formic Acid 90%	B	1
Furfural	A	0
Gasoline	A	0
Hydrochloric Acid 37%	B	0
Hydrofluoric Acid 48%	B	1
Hydrogen Peroxide 30%	B	0
Iodine, Tincture of	B	1
Methyl Ethyl Ketone	A	1
Methylene Chloride	A	0
Monochlorobenzene	A	1
Naphthalene	A	0
Nitric Acid 20%	B	0
Nitric Acid 30%	B	0
Nitric Acid 70%	B	0
Phenol 90%	A	1
Phosphoric Acid 85%	B	0
Silver Nitrate, Saturated	B	0
Sodium Hydroxide 10%	B	0
Sodium Hydroxide 20%	B	0
Sodium Hydroxide 40%	B	0
Sodium Hydroxide Flake	B	0
Sodium Sulfide, Saturated	B	0
Sulfuric Acid 33%	B	0
Sulfuric Acid 77%	B	0
Sulfuric Acid 96%	B	0
Sulfuric Acid 77%, and Nitric Acid 70%, equal parts	B	0
Toluene	A	0
Trichloroethane	A	0
Xylene	A	0
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	SPC-CR RESULT Unit of Measurement
EN 438-2:25	Scratch Resistance	≥5 Rating (1- 5 Best)
EN 438-2:10	Resistance to Wear	≥400 Cycles
EN 438-2:21	Resistance to Impact	0.0 Indention Diameter, mm
		>1800 Height, mm
EN 438-2:16	Resistance to Dry Heat *(320°F)*	≥5 Rating (1- 5 Best)
EN 12721	Resistance to Wet Heat *(212°F)*	≥5 Rating (1- 5 Best)
EN 438-2:12	Boiling Water Immersion	≥5 Appearance (1- 5 Best)
EN 438-2:17	Dimensional Stability	≤0.1 Cumulative Change %
EN 438-2:14	Resistance to Water Vapor	≥5 Rating (1- 5 Best)
EN 438-2:30	Resistance to Cigarette Burn	≥5 Rating (1- 5 Best)
EN 438-2:24	Resistance to Crazing	≥5 Grade (1- 5 Best)
EN ISO 178 / ASTM 638-08	Modulus of Elasticity	≥1200 Mpa
EN ISO 178 / ASTM 638-09	Modulus of Elasticity	≥1,776,000 psi
EN ISO 178 / ASTM 790-07	Flexural Strength (MD)	≥210 Mpa
EN ISO 178 / ASTM 790-08	Flexural Strength (CD)	≥170 Mpa
EN ISO 527-2 / ASTM 638-08	Tensile Strength (MD)	≥230 Mpa
EN 438-2:25	Tensile Strength (CD)	≥140 Mpa
EN ISO 1183 / ASTM 792-08	Density	≥83.65 lbs/ft^3
		≥1.34 g/cm^3
EN 438-2:27	Light Fastness	≥6 Blue wool scale

SPC Standard Grade testing results also available upon request.



DURCON®

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SOLICOR-CR WORKSURFACES

Solicor-CR is a color-through, lab-grade worksurface that is perfectly suited for both vertical and horizontal applications in environments where chemical resistance, durability and aesthetics are top priorities. Solicor-CR was developed to give designers and builders what they have long asked for - a lightweight, easy-to-fabricate, chemical resistant worksurface that is the same color the entire way through.

SOLICOR-CR ADVANTAGES

No more black core. Color-matching core sets a new standard for the ultra-modern lab appearance. In addition, Solicor-CR Graphite and Gray color-match our Epoxy worksurface and sink products, allowing for a mix of materials in the lab system, without color discrepencies.

One of the most advantageous aspects of Solicor-CR is its lower weight density - at 7.4 lbs per square foot, the lightweight material is easy to transport, modify and install on the jobsite. Solicor-CR worksurfaces are light enough to be utilized for both horizontal & vertical applications, allowing users to experience exceptional strength without all the weight.

Solicor-CR is rated **CLASS A** for fire and heat resistance, and when tested with prolonged exposure to direct UV sunlight, Solicor-CR coloration experienced unnoticeable variance from start to finish.

Contact a Durcon sales representative to discuss if Solicor-CR is the best option for your lab, and request a material sample to see it for yourself.

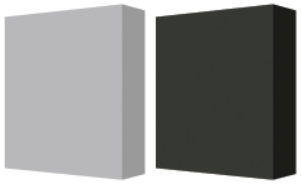
APPLICATIONS

- Laboratory settings
- Reagent shelving
- Prep room worksurfaces
- Mobile carts

INDUSTRIES

- University & K-12 LabsEducation
- Scientific R&D
- Medical & Healthcare
- Hospitality, Retail

COLOR OPTIONS



Durcon Gray Durcon Graphite

LIGHTWEIGHT



THICKNESS

Thicknesses:	Sheet Size:
1.0"	5' x 10'
0.75"	
0.5"	
0.375"	

CERTIFICATIONS & ORGANIZATIONS

SAMPLES

To request samples of Durcon Solicor-CR, (available in 1.0" thickness) contact a Durcon representative at sales@durcon.com, 512-595-8000, or scan the QR code.

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DURCON®

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SOLICOR-CR TEST RESULTS

CHEMICAL & STAIN RESISTANCE TESTING

CHEMICAL Tested	TEST method	Solicor-CR RATING
Acetate, Amyl	A	0
Acetate, Ethyl	A	0
Acetic Acid 98%	B	0
Acetone	A	0
Acid Dichromate 5%	B	1
Alcohol, Butyl	A	0
Alcohol, Ethyl	A	0
Alcohol, Methyl	A	0
Ammonium Hydroxide 28%	B	1
Benzene	A	0
Carbon Tetrachloride	A	0
Chloroform	A	0
Chromic Acid 60%	B	2
Cresol	A	0
Dichloroacetic Acid	A	1
Dimethylformanide	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	0
Hydrogen Peroxide 30%	B	0
Iodine, Tincture of	B	2
Methyl Ethyl Ketone	A	0
Methylene Chloride	A	0
Monochlorobenzene	A	0
Naphthalene	A	0
Nitric Acid 20%	B	1
Nitric Acid 30%	B	1
Nitric Acid 70%	B	1
Phenol 90%	A	0
Phosphoric Acid 85%	B	0
Silver Nitrate, Saturated	B	0
Sodium Hydroxide 10%	B	0
Sodium Hydroxide 20%	B	0
Sodium Hydroxide 40%	B	0
Sodium Hydroxide Flake	B	0
Sodium Sulfide, Saturated	B	0
Sulfuric Acid 33%	B	0
Sulfuric Acid 77%	B	1
Sulfuric Acid 96%	B	0
Sulfuric Acid 77%, and Nitric Acid 70%, equal parts	B	1
Toluene	A	0
Trichloroethane	A	0
Xylene	A	0
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:

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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	Solicor-CR RESULT Unit of Measurement	
EN 438-2:25	Scratch Resistance	5	Rating
EN 438-2:10	Resistance to Wear	350	Cycles
EN 438-2:21	Resistance to Impact	0.0	Indention Diameter, mm
		>1981	Height, mm
EN 438-2:16	Resistance to Dry Heat *(320°F)*	5	Rating
EN 12721	Resistance to Wet Heat *(212°F)*	5	Rating
EN 438-2:12	Boiling Water Immersion	5	Appearance
EN 438-2:17	Dimensional Stability	0.3	Cumulative Change %
EN 438-2:14	Resistance to Water Vapor	5	Rating
EN 438-2:30	Resistance to Cigarette Burn	5	Rating
EN 438-2:24	Resistance to Crazing	5	Rating, Surface
EN ISO 178	Modulus of Elasticity (MOE)	15811	MPa - Longitudinal
		10520	MPa - Transversal
EN ISO 178	Modulus of Resilience (MOR)	201	MPa - Longitudinal
		151	MPa - Transversal
EN ISO 1183	Density	94.27	lbs/ft^3
		1.51	g/cm^3
EN 438-2:27	Light Fastness	5	Rating, Surface
		5	Rating, Core

FIRE-RATING TESTING

TEST Procedure	PROPERTY Description	Solicor-CR RESULT Unit of Measurement	
ASTM E84	Time to Ignition	0.48	Minutes
ASTM E84	Max Flamespread	6.74	Feet
ASTM E84	Time to Max Spread	7.45	Minutes
ASTM E84	Flame Spread Index	25	Class A
ASTM E84	Smoke Developed Index	20	Class A

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Worksurfaces built for the lab

Lab Setup America supplies laboratory countertops alongside complete casework and fume hood packages for education, healthcare, research and industrial labs. Contact us for pricing, material samples and project support.

Chemical Resistance Grade

SPC-CR with an Electron Beam Cured (EBC) layer for resistance to acids, solvents, reagents and cleaning agents.

Standard Grade

All-around phenolic surfacing for partitions, cabinetry and healthcare, in hundreds of colour options.

Thicknesses & Sheet Sizes

0.25" to 1.0" thick, in sheets up to 5' x 12', for countertops, shelving and vertical applications.

Solicor-CR

Lightweight, colour-through, chemical-resistant worksurface with a Class A fire rating.

LAB SETUP AMERICA

Lab Setup America

Laboratory casework, fume hoods & worksurfaces

www.lsamerica.com