

# DURCON®

A WILSONART COMPANY

# 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 discrepancies.

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.

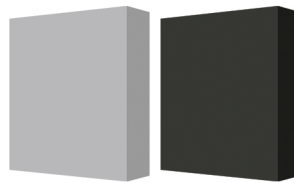
## APPLICATIONS

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

## INDUSTRIES

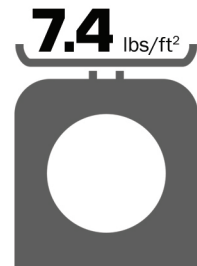
- University & K-12 Labs Education
- Scientific R&D
- Medical & Healthcare
- Hospitality, Retail

## 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](mailto:sales@durcon.com), 512-595-8000, or scan the QR code.



## 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
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	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:

**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	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 Indentation 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 Crazeing	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 <sup>3</sup> 1.51 g/cm <sup>3</sup>
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