

# DURCON

A WILSONART COMPANY

# Greenstone

Sustainable Epoxy Worksurfaces

Greenstone is an innovative worksurface material from Durcon that integrates post-consumer recycled material into Durcon's laboratory-grade epoxy resin. The result is the same uncompromising heat, chemical, scratch and stain resistance as Durcon Epoxy, with less environmental impact. As a low VOC material with recycled content and a usable lifecycle that outlasts most buildings, Greenstone adds to the sustainability of your project, and can contribute toward LEED certification.

## ENVIRONMENTALLY FRIENDLY

Greenstone is Durcon's exclusive epoxy resin worksurface material with a minimum 10% recycled content and low VOC levels. It features the same luxurious appearance and extreme performance levels that Durcon products are known for, while minimizing its impact on the environment. Plus, Greenstone is made to last, which significantly reduces surfacing life cycle costs.

Durcon Greenstone surfaces, sinks and accessories are available in a variety of styles and can be configured to fit any casework system and layout. Greenstone is available in the six standard Durcon Epoxy colors as well as custom color options.

Greenstone's unique composition makes it extremely durable with superior resistance to heat, chemicals and stains. It is nonporous and easy to keep clean; no sealing required. Color and composition is homogenous throughout as - like Epoxy - Greenstone is monolithic and cannot delaminate.

## SUSTAINABILITY

Durcon is a member of the United States Green Building Council (USGBC) and our Greenstone worksurfaces meet various Leadership in Energy and Environmental Design (LEED) standards, which may contribute toward LEED Certification. Durcon Greenstone products may contribute to the following LEED credits:

- Credit MR 3.1 & 3.2 Material Reuse
- Credit MR 4.1 & 4.2 Recycled Content
- Credit MR 5.1 & 5.2 Point of Manufacture/Point of Extraction
- Credit EQ 4.1 VOC Content (Healthcare & School Buildings)

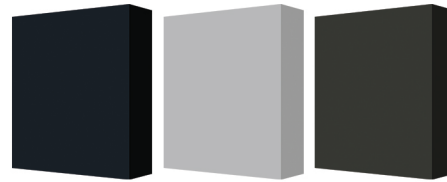
## APPLICATIONS

- Laboratory worksurfaces
- Table tops
- Workstations
- Vanity tops
- Countertops

## INDUSTRIES

- Scientific R&D
- Education
- Healthcare
- Food Service
- Hospitality
- Office & Retail

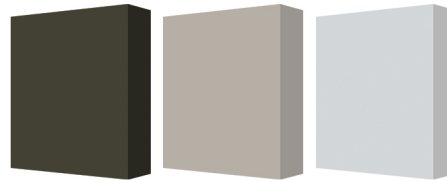
## AVAILABLE COLORS



Black Onyx

Gray

Graphite



Dark Khaki

Tan

Lunar White

## CERTIFICATIONS & ORGANIZATIONS



## SEFA RECOMMENDED CHEMICAL & STAIN RESISTANCE TESTING

CHEMICAL Tested	TEST method	RATING
Acetate, Amyl	A	1
Acetate, Ethyl	A	0
Acetic Acid, 98%	B	1
Acetone	A	1
Acid Dichromate, 5%	B	0
Alcohol, Butyl	A	1
Alcohol, Ethyl	A	1
Alcohol, Methyl	A	1
Ammonium Hydroxide, 28%	B	0
Benzene	A	0
Carbon Tetrachloride	A	0
Chloroform	A	0
Chromic Acid, 60%	B	2
Cresol	A	1
Dichloroacetic Acid	A	1
Dimethylformamide	A	1
Dioxane	A	1
Ethyl Ether	A	1
Formaldehyde, 37%	A	1
Formic Acid, 90%	B	0
Furfural	A	1
Gasoline	A	0
Hydrochloric Acid, 37%	B	0
Hydrofluoric Acid, 48%	B	2
Hydrogen Peroxide, 30%	B	0
Iodine, Tincture of	B	0
Methyl Ethyl Ketone	A	1
Methylene Chloride	A	0
Monochlorobenzene	A	0
Naphthalene	A	0
Nitric Acid, 20%	B	1
Nitric Acid, 30%	B	1
Nitric Acid, 70%	B	0
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	1
Sodium Sulfide, Saturated	B	1
Sulfuric Acid, 33%	B	0
Sulfuric Acid 77%	B	0
Sulfuric Acid, 96%	B	3
Sulfuric Acid, (77%) and Nitric Acid (70%), equal parts	B	1
Toluene	A	1
Trichloroethylene	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 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.

### TEST RESULTS

TEST Procedure	PROPERTY Description	RESULTS
ASTM E595	VOCs	0.011% by weight
ASTM D792	Density	2.13 g/cc
ASTM D785	Rockwell Hardness	113
ASTM D790	Flexural Strength	70.9 MPa
ASTM D695	Compressive Strength	265 MPa
ASTM D638	Tensile Strength	41.5 MPa
ASTM D696	Coefficient of Expansion & Contraction	2.10 x 10 <sup>-5</sup> mm/mm°C
ASTM D635	Fire Resistance	Self-extinguishing
ASTM D648	Heat Distortion Temperature	163°C
ASTM D570	Water Absorption	0.01%
ASTM D3801	Max Burn Time (as received)	3 sec
ASTM D3801	Max Burn Time (heat aged)	60 sec



Scan to request samples  
of Durcon Greenstone

