PREMIER

SOLID PHENOLIC COMPACT

BY DURCON®

Counter Tops

Table Tops

Work Stations

Wall Panels

Fume Hood Decks &

Fume Hood Liner Panels

Reagent Racks

Commercial Countertops

Cabinet Drawer Fronts

Locker Drawers

Shelving

Window Sills

Mobile Carts

Decorative Casework

Components

and

other interior applications

Introducing Chemical Resistant Solid Phenolic Compact (SPC)

Durcon, a Wilsonart company, now provides a lightweight and disinfectable solution for today's classroom, laboratory, health care and industrial facilities. Ideal for horizontal or vertical applications. Chemical Resistant SPC an be used in any room where combinations of liquids, chemicals, bacteria and extreme temperatures may create safety concerns for less robust surfaces.

DURCON™ INTERNATIONAL

www.durcon-sea.com

SOLID PHENOLIC COMPACT PREMIER By Durcon

SOLID PHENOLIC COMPACT BY DURCON PREMIER (SPC) is a self-supporting flat panel based on thermosetting resins, homogeneously reinforced with cellulose fibers and manufactured under high pressure. It's superior resistance to scratches, harsh chemicals, extreme temperatures and impact making it ideal for horizontal and vertical laboratory applications.

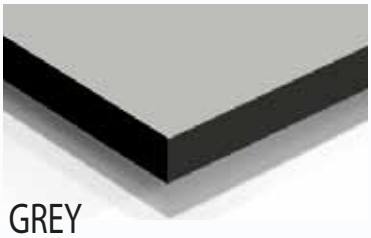
Products are approved for direct contact with foodstuff. The decorative surface is resistant to all common household solvents and chemicals and have therefore been used for many years in applications where cleanliness and hygiene are demanded.

Solid Phenolic Compact is non-porous and does not support bacterial growth making it easy to clean in most cases.

COLOR OFFERING

All Durcon SPC surfaces are available in traditional laboratory colors and many previously unavailable neutral colors and patterns. Plus, all surfaces are double-sided with the identical finish on the top and bottom sides. The feature makes the visible bottom of shelving more attractive and can increase the number of usable applications and overall lifespan of the surface.

BLACK



GREY

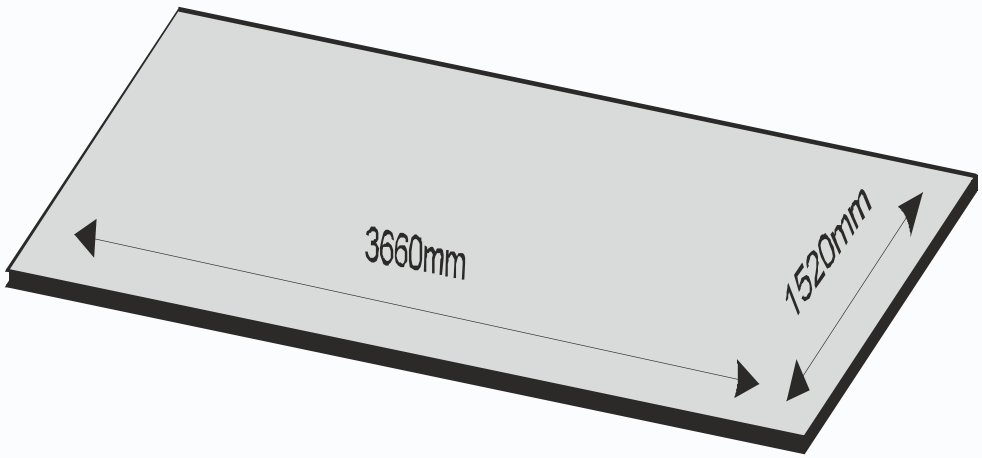
WHITE

** Color swatches are provided for general reference only. Please obtain a sample chip to verify color prior to ordering*

THICKNESS OPTIONS - STANDARD & CUSTOM

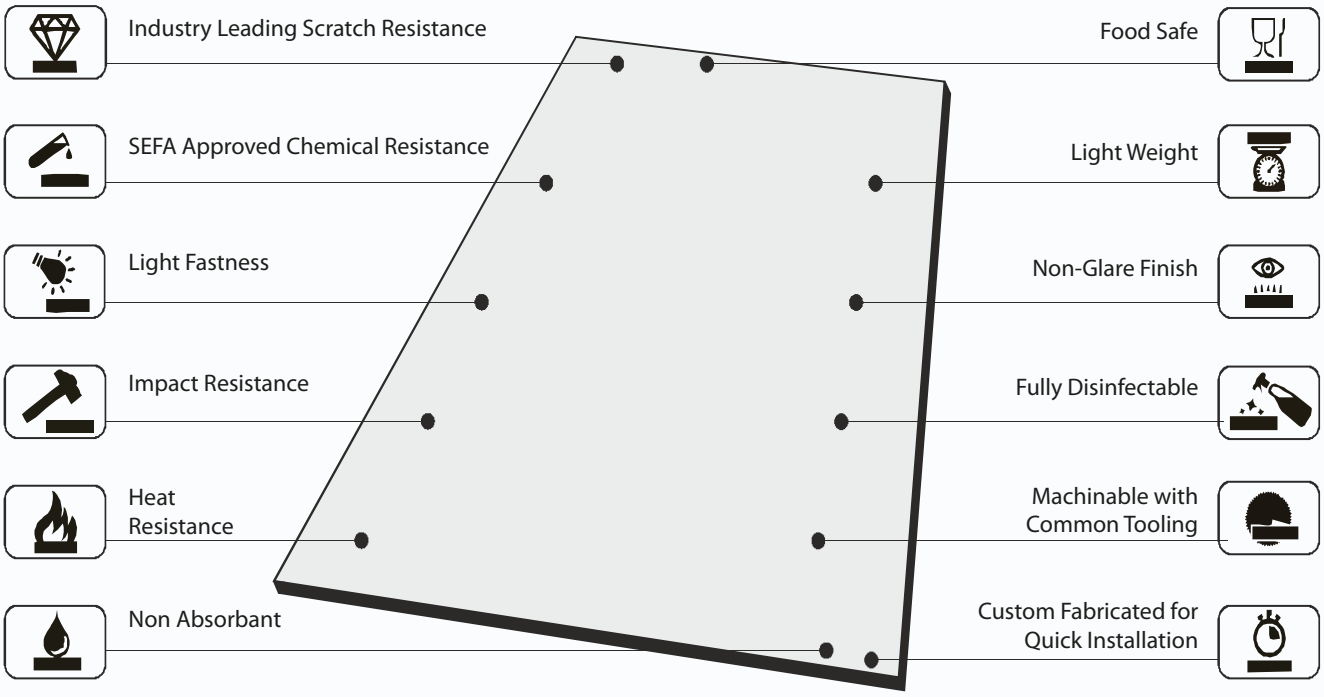
Standard thickness are currently available in 20 mm, 18mm (only available for Premier Grade), 16mm, 13 mm and 6mm.

SHEET SIZES



email : durcon@durcon-sea.com

DURABLE & USER FRIENDLY



Test Results

Chemical Test Results

Chemical	Test Method	Rating
Amyl Acetone	A	0
Ethyl Acetate	A	0
Acetic Acid 98%	B	0
Acetone	A	0
Acid Dichromate 5%	B	1
Butyl Alcohol	A	0
Ethyl Alcohol	A	0
Methyl Alcohol	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
Dichloro Acetic Acid	A	1
Dimethylformamide	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 28%	B	0
Tincture of Iodine	B	1
Methyl Ethyl Ketone	A	1
Methylene Chloride	A	0
Mono Chlorobenzene	A	1
Napthalene	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 25%	B	0
Sulfuric Acid 85%	B	0
Sulfuric Acid 96%	B	0
Sulfuric Acid 85%, and Nitric Acid 70%, equal parts	B	0
Toluene	A	0
Trichlorethylene	A	0
Xylene	A	0
Zinc Chloride, Saturated	B	0

EN 438 Physical Test Results

TEST	Standard	Minimum Requirements	SPC by Durcon Chemical Resistant Results
Density :	EN ISO 1183-1	: ≥ 1,35 g/cm3	≥ 1,35 g/cm3
Thickness tolerance :	EN 438-2-5	5 mm +/- 0,40 mm 8 - 10 mm +/- 0,50 mm 12-16 mm +/- 0,60 mm 18-20 mm +/- 0,70 mm	5 mm +/- 0,40 mm 8 - 10 mm +/- 0,50 mm 12-16 mm +/- 0,60 mm 18-20 mm +/- 0,70 mm
Length and width tolerance :	EN 438-2-6	-0 / + 10 mm	-0 / + 10 mm
Straightness tolerance :	EN 438-2-7	≤ 1,5 mm/m	≤ 1,5 mm/m
Squareness tolerance :	EN 438-2-8	≤ 1,5 mm/m	≤ 1,5 mm/m
Flatness tolerance :	EN 438-2-9	5 - 8 mm : ≤ 5 mm 10 mm : ≤ 3 mm	5 - 8 mm : ≤ 5 mm 10 mm : ≤ 3 mm
Surface defects :	EN 438-2-4	Spots : ≤ 1 mm^2/m^2 Linear : ≤ 10 mm/m^2	Spots : ≤ 1 mm^2/m^2 Linear : ≤ 10 mm/m^2
Dimensional stability at high temp :	EN 438-2-17	Length : ≤ 0,30 % Transverse : ≤ 0,60 %	Length : ≤ 0,30 % Transverse : ≤ 0,60 %
Modulus of elasticity :	ISO 178	≥ 9000 Mpa	≥ 9000 Mpa
Bending strength :	ISO 178	≥ 80 Mpa	≥ 80 Mpa
Resistance to steam :	EN 438-2-14	Rating 4	Rating 5
Dry heat resistance 180 °C :	EN 438-2-16	Rating 4	Rating 5
Resistance to boiling water :	EN 438-2-12	Mass Increase : ≤ 2 % Thickness increase : ≤ 2 % Appearance : Rating 4	Mass Increase : ≤ 2 % Thickness increase : ≤ 2 % Appearance : Rating 4
Resistance to humidity 100 °C :	EN 12721	Rating 4	Rating 5
Impact resistance (large dia. ball) :	EN 438-2-21	Drop height : 180 cm Indentation dia. < 10 mm	Indentation dia. ≤ 10 mm
Resistance to cracking :	EN 438-2-24	Face : Rating 4 Edge : Rating 4	Face : Rating 5 Edge : Rating 4
Scratch resistance :	EN 438-2-25	Rating 3 (4N)	Rating 5 (6N)
Colour fastness under artificial light :	EN 438-2-27	Grey scale rating : 4 to 5	Grey scale rating : 4 to 5
Stain Resistance (contact time 16 h) : Group 1 (acetone, coffee) Group 2 (hydrogen peroxide 3%) Group 3 (sodium hydroxide 25%, hydrogen peroxide 30%)	EN 438-2-26	 Rating 5 Rating 5 Rating 4 at 20 min	 Rating 5 Rating 5 Rating 4 black / 5 white
Abrasion Resistance :	EN 438-2-10	Initial point 150 rev	Initial point 150 rev
Fire performance :	EN 13501-1	D, s2- d0	D, s2- d0
Formaldehyde emission :	EN 717-2	E1	E1
Volatile Organic Compound emission :	ISO 16000-9	Not Listed	Class A+Greenguard Gold

Chemical Resistance Test Evaluation

Chemical resistance tests are preformed in accordance with the Scientific Equipment and Furniture Association's (SEFA) Recommended Practices for Laboratory Work Surfaes.

0 = No Effect	1 = Excellent	2 = Good	3 = Fair

EN Physical Test Evaluation

Physical Tests are performed in accordance with EN 438 for decorative high-pressure laminate (HPL) sheets based on thermosetting resins.

5 = No Effect	4 = Excellent	3= Good	2 = Fair	1 = Poor

email : durcon@durcon-sea.com

SOLID PHENOLIC COMPACT PREMIER By Durcon

The new laboratory surfacing solution from Durcon

CERTIFICATIONS & AFFILIATIONS

DURCON INTERNATIONAL™

PEFC · FSC · SEFA MEMBER

SPC Samples

Submit your sample requests through Durcon's website / email:

www.durcon-sea.com

durcon@durcon-sea.com

No. 37, Jalan Meru Indah 20, Taman Perindustrian Meru Indah, Kapar, Klang, 42200 Selangor, Malaysia

• TEL: +603 33928929 • FAX: +603 3392 8862