

## Resistop - The First Choice in Laboratory Work Surfaces

Resistop Laboratory Grade solid phenolic core, high pressure composite panels, are specifically designed for laboratory environments and engineered to provide maximum chemical and stain resistant properties. Resistop is a superior quality homogeneous HPL exceeding the industry's requirements for a rigid, durable, stable, self-supporting flat work surface. Since chemical and wear resistance are the criteria desired in a lab grade work top, Resistop is the laboratory product preferred and specified for the last 12 years by architects, designers, end users, and distributors worldwide.

### WHY SHOULD RESISTOP BE SPECIFIED

- Chemical and solvent resistant
- Stain and corrosion resistant
- Impact and stress cracking resistant
- Abrasion resistant in quartz finish
- Moisture resistant and will not support growth of common bacteria or fungus
- Exceptional metric or imperial sizes, with a wide range of thickness options
- Double sided panels available in 50+ solid colors or select patterns
- Meets or exceeds performance standards of the American National Standards Institute / National Electrical Manufacturers Assn. (ANSI/NEMA) LD3-2000
- UL Class A and Class 1 Fire-Rating surface available upon request

### INSTALLATIONS:

- Laboratories
- Medical, health care and dental labs
- Photography labs
- R & D and testing labs
- Government facilities
- Schools, universities and other educational institutions
- Pharmaceutical labs

### APPLICATIONS:

- Counter tops and bench topping
- Back splashes
- Built up marine edges
- Reagent drying racks (pegboards)
- Casework and acid storage cabinets
- Fume Hood Decks and Liner Boards
- Post-forming grade for capping or integral back splash
- Shelving Units & Window Sills
- Toilet partitions and lockers



## Resistop Specifications

**RESISTOP** lab-resin grade panels were previously manufactured solely in black color according to industry requirements and primarily to match epoxy color standards or design preference. With the introduction of advanced technology and new formulations, a wide range of solid colors and patterns are being produced in lab grade quality. The installation of Resistop laboratory grade panels is now only limited by the designer's imagination.

SURFACE OPTIONS: See Colors Below

**Matte / Suede Finish** - A subtle texture with a slight sheen.

**Quartz / Crystal Finish** - A fine beaded texture offering optimum abrasion resistance, for use in high mechanical abuse areas.

**Colors** - 50+ Solid colors to include Black, Light Gray, White, Ivory, Blue, Green, Tan, etc. (See color chart below)

**Double Sided Panels** - Resistop can be manufactured "good two sides" at a slight up-charge and each side can be available with the same or different color(s), while providing the same chemical resistant characteristics. The lab grade panels are normally produced good one side, with one colored surface and one black surface.

**Core Material** - Either Black or Brown Phenolic core.

**Peel Coat** - A removable, factory applied single sheet of polyethylene peel coat may be applied to one side for protection of the working surface.

**Post forming** - Finished one side, in all colors and patterns, with sanded back, to meet design or budget criteria.

### PANEL SIZES

Imperial	Metric (mm)	Metric (cm)
48" x 96"	1219 x 2440	122 x 244
48" x 120"	1219 x 3050	122 x 305
60" x 96"	1525 x 2440	152 x 244
60" x 120"	1525 x 3050	152 x 305
60" x 144"	1525 x 3660	152 x 366

### THICKNESS

Imperial (inch)	Metric (mm)
0.045"	1.14
0.060"	1.52
1/8"	3.2
1/4"	6.4
3/8"	9.6
1/2"	12.7
5/8"	16.0
3/4"	19.0
1"	25.0

THICKNESS' AVAILABLE IN 1 MM INCREMENTS. TOLERANCES AS PER NEMA STANDARDS Li1, 1989. (+/-) 1/18" (1.587mm) IN 1/4" (6mm) THICK OR GREATER

**PHYSICAL PROPERTIES**

<b>PROPERTY</b>	<b>ASTM</b>	<b>PSI</b>	<b>MKPa</b>	<b>PSI</b>	<b>MKPa</b>
Compressive Strength	D685	M.D. 31,000	193	C.D. 25,000	172
Flexural Strength	D790	M.D. 23,000	159	C.D. 15,000	103
Tensile Strength	D638	M.D. 22,000	152	C.D. 16,000	110
Rockwell Hardness	D785	M Scale 95-115			
Water Absorption	D570	1/8" (3.2 mm)	0.90%		
		1/2" (12.7 mm)	0.60%		
		1" (25.4 mm)	0.35%		
Specific Gravity	Approx weight	1.40 - 1.52			

<b>TEST METHOD</b>	<b>TYPICAL TEST RESULT</b>
3.1 - APPEARANCE	NO DEFECTS, COMPLIES
3.3 - LIGHT RESISTANCE	SLIGHT EFFECT
3.4 - CLEANABILITY (cycles)	10
STAIN RESISTANCE REAGENTS 1-10 REAGENTS 11-15	NO EFFECT NO EFFECT
3.5 BOILING WATER RESISTANCE	NO EFFECT
3.6 HIGH TEMPERATURE RESISTANCE	NO EFFECT
3.8 BALL IMPACT RESISTANCE	>78" (1981 mm)
3.13 WEAR RESISTANT (cycles)	>700

THE TESTING WAS CONDUCTED ACCORDING TO THE STANDARD TEST METHODS SET BY THE AMERICAN NATIONAL STANDARDS INSTITUTE / NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION,  
(ANSI/NEMA) LD3-1995

## RESISTOP COLORS

 BLACK SE-101	 WHITE SW-826	 FOLKSTONE GRAY SG-241
 NAVY BLUE SB-007	 SAND PEBBLE ST-683	 ROYAL BLUE SB-009
 DOLPHIN GRAY SG-246	 FOREST GREEN SV-704	 SLATE SG-228
 Light Tan ST-613	 Light Blue SB-005	 Light Green SV-740

MANY OTHER SOLID COLORS IN LAB RESIN GRADE AVAILABLE UPON REQUEST. PATTERNED SURFACE COLORS IN LAB GRADE COMING SOON.

(NOTE: LAB GRADE SURFACES SHOULD NOT BE EXPOSED TO EXTREME HUMIDITY, CONTINUOUS SUNLIGHT OR TEMPERATURES ABOVE 275F (135C) FOR EXTENDED PERIODS OF TIME)

**Call Professional Plastics at (888) 995-7767 or  
E-Mail [sales@proplas.com](mailto:sales@proplas.com)  
Order Online at [www.professionalplastics.com](http://www.professionalplastics.com)**