WOODS & FINISHES:

Natural Maple
Standard

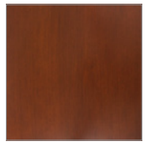

Natural Clear – M-NA

Maple Finishes
The following stains are available, add 10% to list


Castle Oak – M-CO


Honey Oak – M-HO


English Oak – M-EN


Victorian Cherry – M-VI


Richmond Cherry – M-RC


Mahogany – M-MA


Java – M-JA


Wenge – M-WE

HARDWOODS: All hardwood materials used in the manufacturing of Palmieri products shall be Northern grown hardwoods. Hardwoods will be air and kiln dried to a moisture content of 5-7%. All hardwoods shall be of grade "A" material, free of material stains, imperfections, conformity of grain, texture and colour. Hardwood species shall be Northern grown Red Oak, Clear White Northern Maple and Birch. American Cherry and Honduras Mahogany and Walnut are available. Please inquire for pricing.

PARTICLE BOARD CORE: The particleboard shall be formed of wood chips, bonded with a water resistance adhesive. The particleboard material is to be of a high density 45 lbs/cu. ft. having a minimum average modules of rupture of 2400 psi and a minimum average modules of elasticity of 4,000,000 psi.

FINISHING PROCEDURES: All materials shall be inspected and treated with a final sanding and polishing operation before any staining and final finishing can be performed. All machine and mill marks are to be removed. Once the polishing and sanding has been performed, the furniture will then undergo the following stain and finishing procedures:

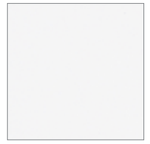
Step 1 A base stain will be uniformly applied, wiped and then allowed to dry under factory controlled conditions.
Step 2 A uniform coat of sealer will be applied and allowed to dry.
Step 3 Sealer will be lightly sanded using 240 grit silicon paper.
Step 4 A catalytic lacquer of 34-45 degree sheen is evenly applied and allowed to dry under factory controlled conditions.

METAL FINISHING PROCEDURES: All metal components are thoroughly cleaned and coated electrostatically with an epoxy powder coat paint finish. The metal components are then oven baked and cured for a lasting finish.

EDGE BANDS: All edge bands are manufactured in PVC, semi-rigid (Flex) and ABS. Standard edging size are normally 1.25" wide x 3 mm thick. These are made of the highest grade polymers and its materials are extensively tested prior to production using special test procedures and industry specification and quality standards.

METAL PAINT:

Thermal Paint Colours


White
PS-111-W374


Antique White
W11


Beige
H23


Desert
H432


Red
R66


Ruby
R7


Blue
B11


Navy
B17


Zinc
A67


Hydro Green
G96


Green
G58


Grey
A16

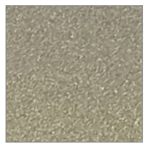

Charcoal
A230


Black
N49


Pebble
M237


Black Sandtex
N31


Sparkle Silver
S11


Champagne
S14

EDGE BAND COLOURS:

PVC edge band colour options


Hardrock Maple
AC-WM791


Natural Oak
AC-FWG9877


Chocolate Tick
AC-FWG7424


White
AC-SW811


Antique White
AC-W11


Beige
AC-H23


Desert
AC-H432


Red
AC-R66


Ruby
AC-R7


Blue
AC-B11


Navy
AC-B17


Zinc
AC-A67


Hydro Green
AC-G96

Green
AC-G58

Grey
AC-A16

Charcoal
AC-A230

Black
AC-N49

Pebble
AC-M237

EPOXY RESIN LABORATORY TOP COLOURS: (see applicable upcharges below for particular colours)

Solid Epoxy Resin Colours

add $ 4,183 to list	add $ 3,229 to list	add $ 3,229 to list	add $ 3,229 to list	add $ 3,229 to list	Standard Colour (no upcharge)
Lunar White LW	Grey GY	Tan TA	Dark Khaki DK	Graphite GP	Black Onyx BO

EPOXY RESIN LABORATORY SURFACE TOP: (1 YEAR WARRANTY)

Care & Maintenance:

Epoxy Resin work surfaces are durable, non-porous, man-made stone products that are relatively unaffected by most chemicals, heat, flame and moisture. These super-tough surfaces' physical properties are seldom compromised; however, they do require periodic care and maintenance throughout the life of the lab or school room to keep the surfaces looking like new. It is recommended that a monthly or quarterly inspection of all surfaces, plus daily or weekly cleanings to maintain your epoxy resin's original finish and to help ensure a safe, uncontaminated working environment.

Material Composition:

1. Sheets cast from modified epoxy resin and non-asbestos inert fillers; compounded mixture cured and thermoset specifically from formulation to provide exceptional physical and chemical resistance required in medium to heavy duty laboratory environments.

**** OR ****

2. Sheets cast from modified epoxy resin and non-asbestos inert fillers with 10 percent of filler certified as post-consumer glass by SCS; compounded mixture cured and thermoset specifically from formulation to provide exceptional physical and chemical resistance required in medium to heavy duty laboratory environments.
3. Sheets monolithic throughout without surface coating application.
4. Certified to NSF/ANSI 51. Durcon / Epoxy Resin Handbook / 32 © 2010 Durcon Incorporated. Printed in USA.

Design Guide:

5. Certified by GREENGUARD under Indoor Air Quality and Children and Schools Certification Programs.
6. Physical properties; minimum acceptable physical performance in accordance with SEFA 3 testing procedures:
   a. Density/specific gravity: Tested to ASTM D792; minimum test rating of 134.8 PSF or 2.16 gcm.
   b. Rockwell hardness: Tested to ASTM D785; minimum M scale rating of 110.
   c. Fire resistance: tested to ASTM D635; classified as self-extinguishing.
   d. Surface burning characteristics: Tested to ASTM E84; flame spread index 7.4 and smoke develop index of 221.2.
   e. Surface burning characteristics in vertical position: Tested to ASTM D3801; maximum flame spread index of 7.4 and smoke developed index of 221.2.
   f. Coefficient of linear thermal expansion: Tested to ASTM D696; rating of 2.46 x 10-5.
   g. Heat deflection: Tested to ASTM D648; maximum 205 degrees F or 96 degrees C.
   h. Flexural strength: Tested to ASTM D790; minimum rating 14.9 KPSI or 103 Mpa.
   i. Flexural modulus: Tested to ASTM D790; 2,777,501 PSI or 19.2 Gpa.
   j. Water absorption, 24 hours: tested to ASTM D570; maximum 0.008 percent by weight.
   k. Compression strength: Tested to ASTM D695; minimum 38.4 kpsi or 265 Mpa.
   l. Chemical resistance; minimum acceptable chemical resistance performance in accordance with SEFA 8:

Reagent Tested	Method	Rating	Reagent Tested	Method	Rating	Reagent Tested	Method	Rating
Amyl Acetone	A	0	Ethyl Ether	A	0	Phosphoric Acid, 85%	B	0
Ethyl Acetate	A	1	Formaldehyde 37%	A	0	Silver Nitrate, Saturated	B	0
Acetic Acid 98%	B	0	Formic Acid 90%	B	1	Sodium Hydroxide, 10%	B	0
Acetone	A	1	Furfural	A	0	Sodium Hydroxide, 20%	B	1
Acid Dichromate 5%	B	0	Gasoline	A	0	Sodium Hydroxide, 40%	B	1
Butyl Alcohol	A	0	Hydrochloric Acid 37%	B	0	Sodium Hydroxide, Flake	B	0
Ethyl Alcohol	A	0	Hydroflouric Acid 48%	B	3	Sodium Sulfide, Saturated	B	0
Methyl Alcohol	A	0	Hydrogen Peroxide 28%	B	0	Sulfuric Acid, 25%	B	0
Ammonium Hydroxide, 28%	B	0	Tincture of Iodine	B	0	Sulfuric Acid, 85%	B	1
Benzene	A	1	Methyl Ethyl Ketone	A	1	Sulfuric Acid, 96%	B	3
Carbon Tetrachloride	A	0	Methylene Chloride	A	1	Sulfuric Acid 85%, and Nitric		
Chloroform	A	1	Mono Chlorobenzene	A	1	Acid 70%, equal parts	B	1
Chromic Acid 60%	B	0	Napthalene	A	0	Toluene	A	0
Cresol	A	0	Nitric Acid, 20%	B	0	Trichlorethylene	A	1
Dichloro Acetic Acid	A	0	Nitric Acid, 30%	B	0	Xylene	A	0
Dimethylformanide	A	0	Nitric Acid, 70%	B	0	Zinc Chloride, Saturated	B	0
Dioxane	A	1	Phenol 90%	A	0			

Testing Method Descriptions:

Method A

- Volatile chemicals (organic solvents): Cotton ball saturated with test reagent is placed in one-ounce bottle (20 x 75 mm test tube or similar container) with reservoir of liquid above ball. Container is inverted on test material for period of 24 hours at standard temperature 23 degrees C plus or minus 2 degrees C (73 degrees F plus or minus 4 degrees F).

Method B

- Non-Volatile Chemicals: Five drops (1/4 cc) of test reagent are placed on test material surface. Reagent is then covered with watch glass (25 mm) for period of no less than 24 hours at standard temperature of 23 degrees C plus or minus 2 degrees C (73 degrees F plus or minus 4 degrees F).

Result Definitions:

0 - No Effect: No detectable change in material surface.

1 - Good: Slight detectable change in colour or gloss but no change to function or life of work surface material.

2 - Fair: Slight surface etching or severer staining. Clearly discernible change in colour or gloss but no significant impairment of surface life or function.

3 - Poor: Pitting, cratering or erosion of work surface material; obvious and significant deterioration. Objectionable change in appearance due to surface discolouration.

Do's & Don'ts with Epoxy Resin Surface Tops:

Do's

* Do clean up liquid and dry spills immediately with a paper towel or clean rag
* Do protect the feet of lab apparatus with rubber, felt or a protective pad
* Do place a trivet under all hot containers and components
* Do extinguish all flames on the work surface
* Do apply a thin coat of finish oil or Murphy's Oil periodically
* Do educate all users in the proper care of epoxy resin work surfaces

Don'ts

* Do not drag items across the surface
* Do not cut, chop or strike items directly on the surface
* Do not drop items onto the surface
* Do not use abrasive powders, sandpaper or metallic scouring pads on work surfaces
* Do not store chairs on the work surface without a protective covering such as cardboard
* Do not melt dry ice with hot water directly on the surface, as the thermal shock may break the joints or cause the surface to fracture
* Do not wax the surface (or use polish containing wax)

WILSONART® LAMINATES:
Solid, Abstract and Wood Grain Options

Frosty White
1573-60

Natural Almond
D30-60

Beige
1530-60

Fashion Grey
D381-60

Dove Grey
D92-60

Slate Grey
D91-60

Black
1595-60

Indigo
D379-60

Sunshine
D499-60

Orange Grove
D501-60

Hollyberry
D307-60

Port
D14-60

Island
D498-60

Hunter Green
D79-60

Ocean
D502-60

Lapis Blue
D417-60

Maroochy Brush
4745-60

Woolamai Brush
4746-60

Blue Agave
4919-60

Eggplant
4913-60

Spiced Zephyr
4859-60

Morro Zephyr
4846-60

Fusion Maple
7909-60

Bannister Oak
7806-60

Mambo
7948-60

Cocobala
7942-38

Walnut Heights
7965-38

Wild Cherry
7054-60

Phantom Pearl
8211-38

White Driftwood
8200-38

Grey Elm
8201-38

Phantom Cocoa
8213-38

Studio Teak
7960-38

Skyline Walnut
7964-38

Phantom Charcoal
8214-38

Asian Night
7949-38

HIGH PRESSURE LAMINATE: Work surface laminate shall be .050" thick and used with balancing backer sheet of no less than .028" thick. Laminate shall conform to standards set by the American Standards Institute/National Electrical Manufacturers Association (ANSI/NEMA) for thickness, performance and appearance. Printed colours, abstract patterns and wood grains are reproduced from representative segments of large sheets and may differ slightly from the actual product.

OTHER OPTIONS AVAILABLE:

a) Hanging Hooks:

Metal hooks are ideal for portable, hand-held tools, supplies and equipment.

Add $ 147/pair to list

b) Oversized Surface Tops:

Available in the following options below.

a) 6" overhang on 1 side of the table

Add $ 147 to list

b) 12" overhang on both sides of the table (6" per side)

Add $ 294 to list