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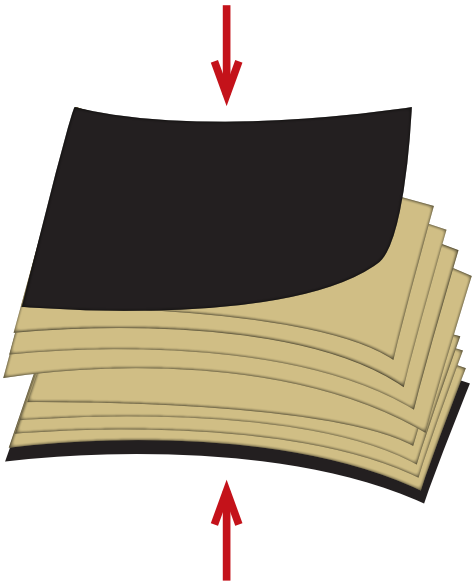
WB Manufacturing LLC

Know Your Lab Worksurface
Phenolic vs. Epoxy

Worksurfaces in your science classrooms and labs need to withstand the chemicals and high temperatures you will expose them to. Epoxy and Phenolic Resin are two of the best solutions for your needs. Which one is best for you? WB breaks down the features of both to help you decide.



How Phenolic Resin Tops Are Made:

Layers of kraft paper and resin are adhered together and compressed at a high temperature to a solid surface.

Phenolic Resin @ a Glance

- Phenolic Resin can be used in 90% of traditional epoxy applications.
- WB Mfg's Phenolic Resin is resistant to chemicals, moisture, bacteria, and fungus.
- Heat resistant up to 275°.
- Impact resistant in mobile applications.
- May show worksurface wear over time.
- Can be field modified.
- Material is stocked at WB Mfg. and can be machined in-house.

How Epoxy Resin Countertops Are Made:

Epoxy resin countertops are a mixture of resin, silica, a hardener, and filler, which are molded and oven cured as a solid slab. It is non-porous, water, and moisture resistant.

Epoxy Resin @ a Glance

- Epoxy is resistant to chemicals, moisture, bacteria, and fungus.
- Heat resistance exceeds 275° and can be exposed to open flames.
- Long-lasting, durable worksurface.
- Material is outsourced. Lead times may extend based on seasonality.
- Cannot be field modified.

Impact to exposed edges causes chipping.

- **Use of casters with epoxy voids WB Manufacturers warranty**

Compare Your Options

	Edge Impact Tolerance	Heat Resistant	Chemical and Moisture Resistant	Field Modifications	Weight	Cost	Lead Time
Phenolic Top	High	≤275°	Yes	Yes	7.5 lbs. / sq. ft.	Lower	2-6 weeks
Epoxy Top	Low	>275° +Open Flame	Yes	No	11 lbs. / sq. ft.	Higher	6+ weeks