

PHENOLIC RESIN

PHENOLIC RESIN COUNTERTOPS

Phenolic resin is well suited for a variety of industrial and laboratory applications, such as sample processing labs, microbiology labs, agriculture, water treatment facilities, R&D or testing labs, pharmaceutical, radiology, biochemical labs, photography labs and various medical labs. Especially popular in hematology and urology labs, phenolic resin is a non-absorbent, moderately chemical resistant, heat resistant, moisture resistant, easy to clean, extremely hard material.

Phenolic Resin is constructed of saturated melamine resins and layers of phenolic impregnated kraft paper. The melamine resins and the kraft paper form into a monolithic slab under extreme heat and pressure to create a thick, durable, compact laminate. The melamine resin produces a very durable thermoset plastic when combined with formaldehyde.



PHENOLIC RESIN ADVANTAGES

✓
RESISTANT TO HEAT + MOISTURE

✓
EASILY MODIFIED IN THE FIELD

✓
EASY TO CLEAN

✓
HIGH DURABILITY + NONABSORBENT

WORK SURFACE COMPARISON

CRITERIA	EPOXY RESIN	STAINLESS STEEL	PHENOLIC RESIN	CHEM RESISTANT
LEVEL OF USE	Heavy	Moderate // Heavy	Moderate	Light
CORROSIVE CHEMICAL RESISTANCE	High	Moderate	Moderate	Light
CARBON-BASED CHEMICAL RESISTANCE	High	High	Moderate	Light
TEMPERATURE RESISTANCE	High	High	Moderate	Poor
MATERIAL	Silica // Resin Based	Stainless Steel	Paper // Resin Based	Laminate Based
LAB APPLICATION	Chemical // Industrial	Food Service // Medical // Clinical	Medical // Clinical // Bioscience	Dry Chemical // Physical Science