COUNTERTOPS

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LABORATORY WORK SURFACES

PLASTIC LAMINATE

EPOXY RESIN

PHENOLIC RESIN

STAINLESS STEEL

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COUNTERTOPS

PLASTIC LAMINATE

PLASTIC LAMINATE COUNTERTOPS

Laminate is a cost effective and versatile worktop solution and has become a very popular option on the market. Plastic laminate countertops are best suited for light duty laboratory applications or when price is the highest priority with regards to purchase criteria. It is not recommended to use chem-resistant laminates in environments where surfaces may come in contact with carbon-based chemicals and/or where conditions are conducive to communicable diseases. Standard applications for chemical resistant laminate countertops are college & university labs, pathogenic labs, hospital bathrooms and nursing stations and dental offices.

Chemical resistant laminate offers moderate resistance to non-corrosive and non-volatile chemicals. This countertop material is typically the most budget-friendly chemical resistant material that simultaneously provides a durable and stylish design.

PLASTIC LAMINATE ADVANTAGES

✓ ANTIBACTERIAL

✓ COST-EFFECTIVE + EASY TO MAINTAIN

✓ HARD-WEARING, SCRATCH + HEAT RESISTANT

✓ AVAILABLE FOR QUICK SHIP

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

EPOXY RESIN

EPOXY RESIN COUNTERTOPS

Epoxy resin offers the highest and most trusted standard in chemical resistance, including corrosive chemicals, and very high-temperature tolerance. Epoxy resin is extremely robust and long lasting. Epoxy countertops are commonly utilized in K-12 labs, university labs, applied science research labs, hospital labs, clinics, pharmaceutical, biomedical, molecular pathology, industrial testing or any chemical labs including oil and spectrometry.

Epoxy resin countertops consist of 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 heavy duty laboratory environments.

EPOXY RESIN ADVANTAGES

✓ HIGHEST CHEMICAL RESISTANCE

✓ LONG-LASTING DURABILITY

✓ LOW LIFETIME TOTAL COST OF OWNERSHIP

✓ HIGH FLEXIBILITY FOR LAB REPURPOSING

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PHENOLIC RESIN

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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

✓ EASILTY MODIFIED IN THE FIELD

✓ EASY TO CLEAN

✓ HIGH DURABILITY + NONABSORBENT

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STAINLESS STEEL

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Stainless steel countertops are recommended for carbon-based chemical labs, biomedical, pharmaceuticals, clean rooms, and specialty settings. Stainless is easy to clean and non-absorbent; there are no pores or cracks to harbor dirt, grime, or bacteria. Attractive and requires minimal care. Stainless steel is a sustainable choice for its infinite design, lifetime and 100%, low-energy recyclability.

Stainless steel is low carbon steel, which contains chromium at approximately 10%. Chromium gives the steel its unique stainless, corrosion resistant properties. Stainless steel has especially high levels of chromium and nickel-alloyed grades and is able to retain its strength at high temperatures up to 1500 F (816 C).

STAINLESS STEEL ADVANTAGES

✓ HIGH RESISTANCE TO CHEMICALS + FIRE

✓ 0% ABSORBENCY FOR EASY CLEANING

✓ 100% RECYCLABLE

✓ BEAUTIFUL, TIMELESS APPEARANCE

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