Kemresin®

Work Tops

KEWAUNEE®

encouraging new discovery...*Worldwide*

Putty Kemresin on steel, inset-square edge casework

Standard or Custom Fabricated

- Flat Sheets
- Marine Edge
- Octagonal
- Under-mount, drop-in, and ADA sinks in many sizes
- Drains
- EarthResin

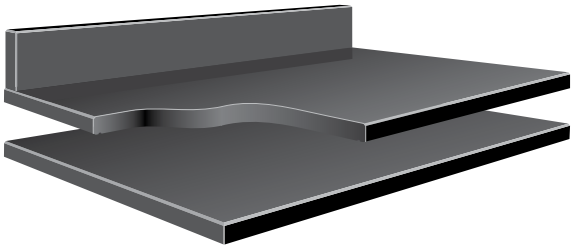
Work Top material selections are among the most critical of the laboratory furniture decisions. Surfaces must be able to withstand a variety of reagents and caustic substances. Kewaunee Kemresin Work Tops and sinks not only satisfy stringent laboratory requirements, and SEFA 3 performance standards

Slate Kemresin on Enterprise workstations with maple, Overlay - Wood on Steel casework

Kemresin

Work Tops

Grey Kemresin on octagonal student tables



Appearance:	Ultra-smooth non-porous surface
Composition:	1” & 3/4" thick molded epoxy resin
Physical Properties:	Excellent resistance to practically all acids, alkalies and solvents. Highly resistant to heat and normal physical abuse
Applications:	Use wherever optimum physical and chemical resisting properties are required
Available Colors:	Black, Grey, Slate, Putty

Black Kemresin on Enterprise workstations and steel casework

EPOXY RESIN COUNTER TOPS AND SINKS SPECIFICATIONS

A. MATERIALS

1. Epoxy Resin Tops (**Kemresin**):
   Epoxy Resin tops shall consist of modified epoxy resin that has been especially compounded and cured to provide the optimum physical and chemical resistance properties required of a heavy-duty laboratory table top. Tops and curbs shall be a uniform mixture throughout their full thickness, and shall not depend upon a surface coating that is readily removed by chemical and/or physical abuse. Tops shall be 1" thick, exposed edges beveled top and bottom, and drip grooves provided on the underside at all exposed edges. 4" high curbs at the backs and ends of tops shall be 1" thick and bonded to the deck to form a square watertight joint. Sink cutouts shall be smooth and uniform without saw marks with the top edge beveled. The bottom edge of the sink opening shall be finished smooth with the edge broken to prevent sharpness. Corners of sink cutouts shall be radiused not less than 3/4".

2. Molded Epoxy Resin Sinks (**Kemresin**):
   Sinks shall be molded of modified epoxy resin, carefully compounded with selected materials to provide maximum physical and chemical properties. Sinks shall be non-glaring with all inside corners coved and the bottom pitched to the drain outlet. Sinks shall possess a high resistance to mechanical and thermal shock.

B. PERFORMANCE REQUIREMENTS:

a. Physical Properties:

Flexural Strength (A.S.T.M. Method D790-90)	= 15,000 PSI
Compressive Strength (A.S.T.M. MethodD695-90)	= 30,000 PSI
Hardness, Rockwell E (A.S.T.M. Method D785-89)	= 100
Water Absorption (A.S.T.M. Method D570-81)% by weight, 24 Hours	= 0.04
% by weight, 7 Days	= 0.05
% by weight, 2 Hour Boil	= 0.04
Specific Gravity	= 1.97
Tensile Strength	= 8,500 PSI

b. Performance Test Results (Heat Resistance):
   A high form porcelain crucible, size 0, 15 ml capacity, shall be heated over a Bunsen burner until the crucible bottom attains an incipient red heat. Immediately, the hot crucible shall be transferred to the top surface and allowed to cool to room temperature. Upon removal of the cooled crucible, there shall be no blisters, cracks or any breakdown of the top surface whatsoever.

c. Performance Test Results Chemical Resistance in accordance with the latest edition of SEFA 3 standards.

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