SPECIFICATIONS FOR MODIFIED EPOXY RESIN

Prime Epoxy Resin products are generally specified in sections 11600 and 12345 of most equipment specifications.

Prime Epoxy Resin Work Surfaces shall be ¾" (19mm), 1" (25mm) or 1 ¼" (32mm) thick. Work surfaces shall be monolithic and molded from a modified epoxy resin. Work surfaces shall have a smooth, non-glare finish. Work surfaces shall be installed with a uniform 1" (25mm) overhang on the front and exposed ends. Work surfaces shall have a continuous drip groove 1/8" (3mm) wide on the underside of all exposed edges. All exposed edges shall be finished with a 1/8" (3mm) bevel or a 3/16" (4.7mm) radius. Work surfaces shall be provided in longest practical lengths to minimize joints.

Backsplashes shall be of the same material, thickness and finish as the work surface. Backsplashes are to be supplied loose for field application to assure proper fit at walls.

Sinks shall be selected from Prime's standard sizes. All rectangular sinks shall be molded in one piece with corners coved and bottom sloped to the outlet. All rectangular sinks may include Prime's PSO-3R 1-½" (38mm) sink outlet, POF-1R overflow and PSS-2R stopper. Sinks, outlets and stoppers are to be supplied loose for field application.

Fume Hood Tops shall be selected from Prime's standard sizes. Fume hood tops shall be dished a minimum of ¼" (6mm) to contain spills unless otherwise specified on architectural drawings.

Typical color of work surfaces, sinks, accessories and fume hood tops shall be black or gray.

PHYSICAL PROPERTIES

Flexural Strength	ASTM-Method D790
Compressive Strength	ASTM-Method D695
Hardness, Rockwell M	ASTM-Method D785
Density GR/CC	ASTM-Method D792
Water Absorption	ASTM-Method D570
Flame Test	ASTM-Method D635

HEAT RESISTANCE

A high form porcelain crucible (size: 15ml capacity) was heated over a Bunsen burner until the crucible bottom obtained a dull, red heat. Immediately the hot crucible was transferred to the Prime work surface and allowed to cool to room temperature. Upon removal of the cooled crucible, there was no effect to the Prime work surface; no blisters, cracks or any breakdown of the work surface whatsoever.

The Prime work surface showed no blistering or cracking when exposed to direct flame. An overturned 3/8" (9.525mm) Bunsen burner, adjusted to quiet flame with a 1 ½" (38mm) inner cone, was allowed to remain on the work surface for a period of five (5) minutes with no effect.

CHEMICAL RESISTANCE

Tops shall be highly resistant to the normally used laboratory reagents. The following is the test that was performed at an independent test laboratory.