



EPOXY-RESIN

SPECIFICATIONS FOR MODIFIED EPOXY RESIN

Tops and curbs shall be molded from a modified epoxy resin that has been especially compounded and cured to provide optimum physical and chemical resistance required for a heavy duty laboratory working surface. Impregnated stone and/or furnace resins are not equal. Tops and curbs shall be a uniform mixture throughout, and shall not depend on a surface coating that can be readily removed by chemical or physical abuse.

Tops and curbs shall be non-glaring matte finish and black in color.

Sinks are black in color and 1/2" thick.

Tops shall be a thickness as required with a drip groove provided on underside of all sink top exposed edges. All edges shall have a slight radius.

Curbs shall be bonded to the surface on the top to form a square water-tight joint. All joints in tops to be bonded with an approved epoxy cement and shall be smooth and water-tight.

Counters with integral curbs shall have a junction with a 3/4" radius, except around columns and special cutouts, which will have a standard bonded curb.

CHEMICAL RESISTANCE

Epoxy-Resin is highly resistant to the normally used laboratory alkalis, alcohol, acids and solvents. The following solutions listed were tested for a period of 24 hours with optimum resistance.

Acetic Acid Glacial
Acetone
Ammonium Hydroxide
Amyl Acetate
Aqua Regia
Benzene
Butyl Alcohol
Calcium Hypochlorite
Carbon Disulfide

Chloroform
Chromic Acid
Ethyl Alcohol
Ethyl Ether
Formaldehyde
Hydrochloric Acid
Hydrofluoric Acid
Hydrogen Peroxide
Kerosene

Methyl Alcohol
Nitric Acid
Phenol
Phosphoric Acid
Silver Nitrate
Sodium Hydroxide
Sulphuric Acid
Xylene
Zinc Chloride

PHYSICAL PROPERTIES

Flexural Strength ASTM-Method D-790
Compressive Strength ASTM-Method D-695
Hardness Rockwell M ASTM-Method D-785
Density Gr./CC. ASTM-Method D-792
Water Absorption ASTM-Method D-570
Flame Test ASTM-Method D-635

FIRE RESISTANCE

A Bunsen burner overturned on working surface for several minutes causes no adverse effect. Epoxy resin is self-extinguishing, in accordance with ASTM-Method-D-635.

Independent laboratory test reports available upon request.

PARTIAL LISTING OF TYPICAL INSTALLATIONS

PROJECT NAME

Meyer & Lundahl
Columbia University
College of Phys. & Surgeons
Churchill Area School
Cimbalo Constr. & Design
Medical School
University of Illinois
Med. & Physiology
Princeton University
St. Clare's Hospital
Mar-Fred Cabinet Co.
Cedars of Sinai Med. Center
Art Institute of Chicago
Windsor Medical Center
Loyola Med. Center
Lincoln Medical Center
St. Vincent's Hospital
Taunton High School
Good Humor Engineering
Amersham-Searle
St. Mary's Hospital
Rudolph & Sleppe
Armour Foods
McDonnell Douglas Corp.
Ralston Purina Co.
Stauffer Chemical Co.
LAC Cancer Research
Lincoln Way High School
Uniform Services (U.S. Navy)
Blaw-Know Foundry

LOCATION

Phoenix, Arizona
New York, New York

Pittsburgh, Pennsylvania
Tinley Park, Illinois

Chicago, Illinois

Princeton, New Jersey
Schenectady, New York
E. Brunswick, New Jersey
Los Angeles, California
Chicago, Illinois
Riverside, Illinois
Maywood, Illinois
Bronx, New York
Green Bay, Wisconsin
Taunton, Massachusetts
Chicago, Illinois
Arlington Heights, Illinois
Centralia, Illinois
Palo Alto, California
S. San Francisco, California
Hazelwood, Missouri
Kansas City, Missouri
Chicago Heights, Illinois
Los Angeles, California
Frankfort, Illinois
Bethesda, Maryland
Wheeling, West Virginia

PROJECT NAME

Western Branch Wastewater
Treatment Plant
Westinghouse Corp.
Metropolitan Sanitary Dist.
Salt Creek Reclamation Plant
College of the Canyons
Wambel Co
S.I.U. School of Medicine
New Waste Trtmt. Plant
Bon Secours Hospital
Reliable Electric
Kalmus Associates
Spreckles Sugar
Univ. of Illinois
Peoria School of Medicine
Southwestern Ill. Coal Co.
No. Chicago Refiners
V.A. Hospital
A.N. Farr Co.
Brandeis Univ.
Foster Bio-Medical
Purdue University
Environmental Protection Agency
Police Academy
Charles Pfizer
Deltmar Div. of Ill. Tool Works
Chelmsford High School
Student Health Center
California State Univ.
E.P.A. Project

LOCATION

Prince George, Maryland

South Boston, Virginia
Schaumburg, Illinois

Pasadena, California
Union, South Carolina
Carbondale, Illinois
Morgantown, North Carolina
Grosse Point, Wisconsin
Franklin Park, Illinois
Broadview, Illinois
Mendota, California
Peoria, Illinois

Peroy, Illinois
North Chicago, Illinois
Los Angeles, California
Littletown, New Hampshire
Waltham, Massachusetts

West Lafayette, Indiana
Cincinnati, Ohio
Plainfield, Indiana
Groton, Connecticut
Frankfort, Illinois
Chelmsford, Massachusetts
Fullerton, California

Cincinnati, Ohio