

Superior Liquid Binder - Chemical & Acid Resistant, 100% Solids, Epoxy Binder and Coating

DESCRIPTION: SUPERIOR LIQUID BINDER - CHEMICAL RESISTANT is a unique, 100% solids epoxy system which exhibits superior chemical resistance to acids, alkalies, salts, solvents, oils and other chemicals. SUPERIOR LIQUID BINDER - CHEMICAL RESISTANT is high gloss, abrasion resistant and moisture insensitive. Coatings and toppings of SUPERIOR LIQUID BINDER - CHEMICAL RESISTANT have excellent resistance to thermal shock when subjected to areas with frequent steam or hot water cleaning.

USES: Chemical resistant coatings in: Food Processing Plants, Dairies, Chemical Plants, Battery Storage and Charging Areas, Plating Plants, etc.

ADVANTAGES: Excellent chemical resistance. 100% solids, conforms to VOC regulations. High gloss. Excellent bond to concrete, steel and wood. Blush free.

SURFACE PREPARATION: Surface must be clean and free of any dust oil, grease, laitance, curing compounds or any other contaminants. This should be achieved by sand blasting, water blasting or some other mechanical means. New concrete surfaces may be acid etched with muriatic acid and rinsed thoroughly. Surface may be dry or damp, but must be free of standing water.

MIXING AND APPLICATION: Mix thoroughly 2 parts by volume of part A and 1 part by volume of part B. Prime the surface to be treated with the neat epoxy. Prepare the mortar system by adding 3-3 1/2 gallons of clean, dry sand to each gallon of epoxy mix. Preferred types of sand are: hard, high grade silica sands such as Ottawa Flintshot, Mission or their equivalents, Emery or other forms of Alumina, and Silicon Carbide. If a blend of sand is used, mix the sands together prior to adding the epoxy. Blend the epoxy and sand until the sand is thoroughly wetted. Screed the mortar out onto the previously primed area, rake it to distribute, then compact and trowel to finish. Blending may be accomplished by using a heavy duty, slow speed 1/2" electric drill with a paddle, a Kol mixer or a mortar pan and concrete hoe. When used as a mortar, it is recommended that one or two topcoats be applied to seal the surface against chemicals and acids.

LIMITATIONS: Do NOT apply when temperature is below 40°F. Do NOT apply to latex modified mortar or concrete.

CLEAN UP: Clean tools and equipment immediately with a suitable solvent such as xylene or lacquer thinner.

PACKAGING: gallon units, 15 gallon units, 150 gallon units

CAUTION: For professional use only. Epoxy systems can cause delayed dermatitis. Avoid prolonged contact with skin. See Material Safety Data Sheet for proper handling and required safety equipment.

Properties at 77° F	
Mix Ratio by Volume	2:1
Colors	Clear, Red, Gray, and Tan
Pot Life (100 Grams)	30-45 minutes
Compressive Strength (ASTM C-579)	10,200 psi
Tensile Strength (ASTM C-307)	7,400 psi
Tensile Elongation	5%
Shore D Hardness (ASTM D-2240)	80D
Chemical Resistance	
Sulfuric Acid up to 70%	No Effect
Hydrochloric Acid up to 37%	No Effect
Acetic Acid up to 25%	No Effect
Xylene	No Effect
Gasoline	No Effect
Sodium Hydroxide up to 50%	No Effect
Shelf Life	1 Year