

# Superior Novolac - 100% Solids, Chemical Resistant, Epoxy Novolac Binder & Coating

**DESCRIPTION:** SUPERIOR NOVOLAC is a unique, 100% solids epoxy system which exhibits superior resistance to acids, both mineral and organic, alkalis, salts, solvents, oils and other chemicals. SUPERIOR NOVOLAC is high gloss, abrasion resistant and moisture insensitive. Coatings and toppings of SUPERIOR NOVOLAC have excellent resistance to thermal shock when subjected to frequent steam or hot water cleaning.

**USES:** Chemical resistant coatings and/or binders for aggregate filled, trowel applied toppings. SUPERIOR NOVOLAC may be used as a protective top coating for other epoxy systems to provide improved surface chemical resistance in: Chemical plants, Pulp & paper mills, Food processing plants, Dairies, Battery storage & charging areas, Plating plants, Waste treatment plants.

**ADVANTAGES:** Excellent chemical resistance, 100% solids, conforms to VOC regulations, High gloss, easily cleaned surface, Excellent bond to concrete, steel and wood, DOT Non-corrosive, Moisture insensitive, Easy to use 1:1 by volume mix ratio.

**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, 1 part by volume of part A with 1 part by volume of part B, being sure to scrape the sides and bottom with a strong mixing stick or slow speed drill equipped with a paint propeller. Do not mix more than can be applied in 30 minutes. Apply mixed material by brush or roller. For best results, two coats should be applied. Allow the first coat to cure overnight. Apply the second coat within 24 hours. As a mortar, prime surface with neat epoxy. Prepare the mortar system by adding 2.5 to 3.5 gallons of clean dry sand to each gallon of mixed epoxy. Preferred types of sand are high grade silica sands such as Ottawa Flintshot, Mission, or their equivalents, Emery, or other forms of Alumina and Silicon Carbide. Blend the epoxy and sand until the sand is thoroughly wetted. Screed the mortar out onto the previously primed area, rake to distribute, then compact and trowel to finish. 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 50°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:** 2 gallon units, 10 gallon units, 100 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	1:1
Colors	Clear, Gray, Red
Pot Life (100 Grams)	45-60 mins
Tensile Strength	7600 psi
Tensile Elongation	6%
Hardness Shore D	77-80
Chemical Resistance	
Sulfuric Acid, 98%	Very Good
Sulfuric Acid, 70%	Excellent
Hydrochloric Acid, 36%	Excellent
Acetic Acid, up to 50%	Very Good
Sodium Hydroxide	Excellent
Xylene	Excellent
Gasoline	Excellent
Shelf Life	1 Year